

July 24, 2023

District Supervisor Oil Conservation Division, District 2 506 W. Texas Ave. Artesia, New Mexico 88210

Re: **Closure Report**

ConocoPhillips Company

Heritage Concho

Boo Radley 21C Federal CTB Release

Unit Letter C, Section 21, Township 26 South, Range 28 East

Eddy County, New Mexico Incident ID NAPP2230542080

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COPC) to assess and evaluate a release that occurred at the Boo Radley Federal 21C Central Tank Battery (CTB). The release footprint is located in Public Land Survey System (PLSS) Unit Letter C, Section 21, Township 26 South, and Range 28 East, Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.033379° -104.092976°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on October 18, 2022. The incident was caused by unclosed emergency shutdown (ESD) features on vicinity wells, which sent fluid to the combustor and resulted in a fire. Approximately 2,250 barrels (bbls) of produced water and 500 bbls of crude oil were reported released based on tank measurements collected before the fire. An unknown quantity of crude oil and produced water were recovered during recovery efforts. The fire and addition of water from the fire department hindered the estimate of the amount of fluid recovered. The fire remained on pad; the release of liquids (both fire water and released fluids) ran off pad into the surrounding pastureland. The release extent reported by COPC encompassed an area of approximately 200,000 square feet of oil-gas lease pad and pastureland. The release point was noted as being on the southeast corner of the tank battery. The New Mexico Oil Conservation Division (NMOCD) received the C-141 report form for the release on November 1, 2022. The NMOCD Incident ID for this release is NAPP2230542080.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of high karst potential.

According to the New Mexico Office of the State Engineers reporting system, there are no water wells within ½ mile (800 meters) of the Site. A borehole (DTW) was drilled to 59 feet below ground surface (bgs) on November 16, 2021, by a licensed drilling subcontractor as part of work performed at the Diamondback 22 State 2H (Incident ID NAPP2129931373), located approximately 0.6 miles from the Site. The borehole was

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dry upon completion, and soils were dry from surface to total depth. The borehole coordinates are 32.03314°, -104.08201°. The site characterization data, along with the DTW boring log, is included as Appendix B.

ARCHAEOLOGICAL SURVEY

On behalf of COPC, Tetra Tech contracted with SWCA Environmental Consultants (SWCA) to conduct an intensive cultural resources pedestrian survey in support of the release assessment. Approval from the NMSLO is required prior to any intrusive work being completed at the site. This includes intrusive initial response and assessment. Alissa Healy, SWCA, submitted a NMCRIS report to the NMSLO on November 15, 2022. NMSLO approved the finding the same day. Per the NMSLO:

"From a cultural resource protection standpoint, this negative NIAF and the absence of any
presence of the two sites despite relocation efforts demonstrates that remediation of this area will
have no adverse impact on any cultural properties. The proponent is free to proceed with
remediation under whatever instrument authorizes their entry onto trust lands for that purpose."

The NMCRIS report and subsequent NMSLO correspondence approving the report are included in the approved WP.

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 chloride in soil.

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

Constituent	RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

VISUAL SITE INSPECTION

Tetra Tech personnel conducted a site visit on November 1, 2022, to visually assess the impacted release areas in the pastureland adjacent to the release point located on the lease pad. The release was noted as extending approximately 1,550 feet east from the southeast corner of the Boo Radley 21C CTB lease pad to an adjacent ConocoPhillips (former COG Operating, LLC) lease pad. The Boo Radley 21C CTB area was not accessed as operations were still in the process of deconstructing the facility.

Tetra Tech personnel determined that the provided release extent was not representative of the actual flow path through the pastureland. Areas shown as broad and all-encompassing, in fact, followed low lying, braided flow paths. The revised release extent encompasses an area of approximately 175,847 square feet. Visibly impacted areas were noted throughout the footprint in the pastureland areas. The approximate release extent is indicated in Figure 3.

SITE ASSESSMENT

Tetra Tech personnel were onsite to delineate and sample the pasture portion of the release area in November 2022. A total of twenty-seven (27) soil borings (AH-1 through AH-27) were installed using a hand auger within and around the release area in the pastureland to evaluate the vertical and horizontal extent of the release.

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Tetra Tech remobilized to the release site to perform the on-pad portion of the assessment in December 2022. A total of seventeen (17) trenches (T-1 through T-16 and T-3A) were advanced on the pad and in the pastureland. An additional seven (7) soil borings (AH-28 through AH-34) were installed using a hand auger around the release on the pad to evaluate the vertical and horizontal extent of the release. Additionally, two (2) background borings were installed off-site to the west and south to obtain a representative sample of subsurface soil conditions. The sampling locations associated with the site assessment activities are shown on Figure 4.

A total of one hundred and thirty-four (134) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). A total of one hundred and nine (109) soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. The remaining twenty-five (25) samples were analyzed for chloride only via Method SM4500Cl-B.

SITE ASSESSMENT RESULTS

Results from the November and December 2022 soil sampling event are summarized in Table 1. Analytical results associated with boring location AH-1 AH-3, AH-5, AH-6, AH-8 through AH-11, AH-25, AH-26, T-1 through T-12, T-14 through T-16 and T-3A exceeded the proposed Site RRALs for chloride in soils. Additionally, results associated with T-5, T-7 through T-9 and T-12 exceeded the proposed RRAL for TPH. All other analytical results from the November and December 2022 sampling were below Site RRALs.

The excavation extents provided in the ensuing work plan were presented based on the data collected during the November and December assessments. As mentioned below, identified anomalies were further evaluated and assessed during remedial activities to determine final depths of excavation. The release was horizontally and vertically delineated following the December 2022 sampling events.

SUBSURFACE DATA EVALUATION

The subsurface conditions in the pad area are extremely variable. In most areas on the northwest side, the excavator bucket met refusal between 2' and 6' bgs, however, in other portions of the pad, the soils were loose and friable. In several areas there were layers of interbedded gypsum and sandy lenses noted during trenching.

During an evaluation of results from the trench assessment portion of the work, trench location T-3 exhibited anomalous results when compared to the remainder of the pad assessment locations. To verify the findings from T-3, trench T-3A was advanced approximately 10' north of T-3 to verify the anomalous results. Based on review of the analytical results from T-3 and compared to T-3A, it is likely that cross contamination was present at T-3 during the trenching activities. The data anomalies were verified by confirmation sampling during the remedial activities. Additionally, exhibited anomalies were also observed in the T-4, T-5, T-10 and T-11 subsurface data. These areas were verified by confirmation sampling during the remedial activities.

REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on December 21, 2022, with fee application payment PO Number N9F6M-221221-C-1410. The Work Plan described the results of the initial response activities, release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Robert Hamlet of the NMOCD on Thursday, February 22, 2023, with the following condition:

• The Remediation Plan is Conditionally Approved. Sidewall/floor samples need to comply with the strictest closure criteria limits 600 mg/kg for Chlorides and 100 mg/kg TPH. A variance for sidewall/floor confirmation samples every 600 ft2 on-pad and 400 ft2 off-pad is approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. If rock refusal interferes with the remediation process, use a back-hoe/track-hoe to remove the rock. If the rock is immovable

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and target depth cannot be reached, use a hydrovac to clean the contaminated soil off the rock surface and outline specific locations and steps taken on the Closure Report. Back-fill with clean material. The work will need to occur in 90 days after the work plan has been approved.

A 90-day extension request to July 17, 2023, was approved by Robert Hamlet in an email dated April 21, 2023. Documentation of associated regulatory correspondence is included in Appendix C.

REMEDIAL ACTIVITIES AND CONFIRMATION SAMPLING

Due to permitting, pending facility reconstruction and right-of-entry requirements in the pasture area, the proposed remediation was conducted in two phases. The first phase included the remedial activities conducted within the extent of the lease pad. Following the receipt of the permissions mentioned above, the second phase of the remediation to address the pasture area was initiated.

Phase I - Pad Remediation

From February 6, 2023 to March 7, 2023, Tetra Tech personnel were onsite to supervise remedial activities for the pad area of the release extent, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance. Prior to confirmation sampling, on February 7, 2023, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 600 square feet of excavated area on-pad. A total of two-hundred and fifty-two (252) floor sample locations and thirty-one (31) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are shown in Figure 5

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

The pad remediation presented numerous hazards, especially with regard to subsurface utilities remaining in place within the proposed excavation footprint. Several areas were hand-dug (non-aggressive excavation) within excavation area footprints, as indicated on Figure 5. Impacted soils in the vicinity of these areas were dug by hand to the to the maximum extent practicable, however heavy machinery was used no less than 4 ft from any subsurface lines to avoid damage.

Multiple initial confirmation sampling analytical results exceeded the Site RRALs for chloride and/or TPH. The areas of excavation associated with the exceedances were expanded horizontally or deepened. Once impacted soil was presumed to have been removed from the remediated areas in the vicinity of these samples, iterative confirmation samples were collected to encompass the original sample locations that triggered removal (nomenclature defined in Table 2) post-additional excavation. As mentioned, areas of assessment trenches T-3, T-4, T-5, T-10 and T-11 were verified during the on-pad remedial action. The area of T-3A was excavated to roughly 2-3' bgs. FS-1, in the vicinity of trench T-4, was excavated to 4.5' bgs. The general vicinity of T-5 was excavated to 6' bgs. The area of T-10 was excavated to 2' bgs. The area of T-11 was excavated to 5' bgs.

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All final confirmation sample results were below the applicable cleanup levels. Analytical results from the confirmation sampling events are summarized in Table 2. Photographs from the excavated areas prior to backfill are provided in Appendix E. The pad area was backfilled by COP to facilitate the construction of the new battery facility.

Phase II - Pasture Remediation

Once the new facility was constructed, Tetra Tech returned to the site. From June 26, 2023 to July 21, 2023, Tetra Tech personnel were onsite to supervise remedial activities conducted in the pasture area of the release extent, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance. Prior to confirmation sampling, on June 23, 2023, the NMOCD district office was notified via email in accordance with Subsection D of 19.15.29.12 NMAC. Documentation of associated regulatory correspondence is included in Appendix C.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 400 square feet of excavated area off-pad. A total of two-hundred and ninety-one (291) floor sample locations and fifty-one (51) sidewall sample locations were used during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are shown in Figure 6A, 6B and 6C. Based on the assessment data, the areas of AH-12, AH-13 and AH-14 on the far northeast edge of the extent did not require remediation nor reclamation. Confirmation samples ESW-25 and WSW-25 provide verification of the terminal sidewall edge in this area.

Two subsurface pipeline owners (Plains and Mark West – WTGC) south and east of the pad and pasture footprints requested that their lines be potholed prior to work. Once the lines were successfully located, remedial action inside the ROW was limited to hand-digging (non-aggressive excavation) within the release footprints to the maximum extent practicable.

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

Multiple initial confirmation sampling analytical results exceeded the Site RRALs for chloride and/or TPH. The areas of excavation associated with the exceedances were expanded horizontally or deepened. Once impacted soil was presumed to have been removed from the remediated areas in the vicinity of these samples, iterative confirmation samples were collected to encompass the original sample locations that triggered removal (nomenclature defined in Table 2) post-additional excavation. All final confirmation sample results were below the applicable cleanup levels. Analytical results from the confirmation sampling events are summarized in Table 2.

Completed Remediation

All excavated material from Phase I and Phase II of the remediation was transported offsite for proper disposal. All told, a total of approximately 10,590 cubic yards of material were transported to the R360 Red Bluff Landfill in Orla, Texas. Photographs from the excavated areas prior to backfill are provided in Appendix E. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. Due to the file size of the waste manifests, they are not included in this report. Copies of the waste manifests are available upon request.

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RECLAMATION ACTIVITIES

Once confirmation sampling activities were completed and associated analytical results were below the applicable RRALs, the excavated areas within the pasture were backfilled with clean material to surface grade. As prescribed in the approved Work Plan, the areas not within a right-of-way or atop lease roads were seeded in July 2023 to aid in revegetation. Based on the soils at the site, the New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed per acre. Photographic documentation of the excavated areas prior to and immediately following placement of backfill and seeding are provided in Appendix D.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

CONCLUSION

ConocoPhillips respectfully requests closure of the incident based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

Nicholas M. Poole Project Lead

cc:

Mr. Ike Tavarez, RMR - ConocoPhillips

Christian M. Llull, P.G. Program Manager

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LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Site Location/Topographic Map

Figure 3 – Approximate Release Extent and Initial Response

Figure 4 – Site Assessment

Figure 5 – Pad Remediation and Confirmation Sampling

Figure 6A – Pasture Remediation and Confirmation Sampling

Figure 6B - Pasture Remediation and Confirmation Sampling

Figure 6C - Pasture Remediation and Confirmation Sampling

Tables:

Table 1 – Summary of Analytical Results – 2022 Soil Assessment

Table 2 – Summary of Analytical Results – 2023 Soil Confirmation

Appendices:

Appendix A – C-141 Forms

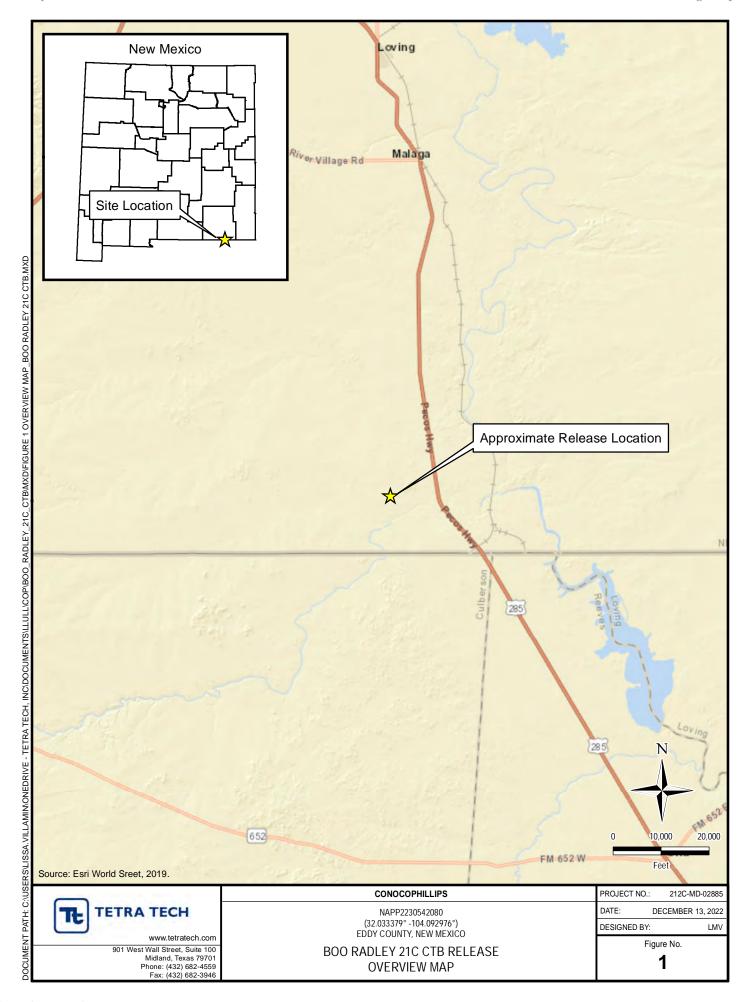
Appendix B - Site Characterization Data

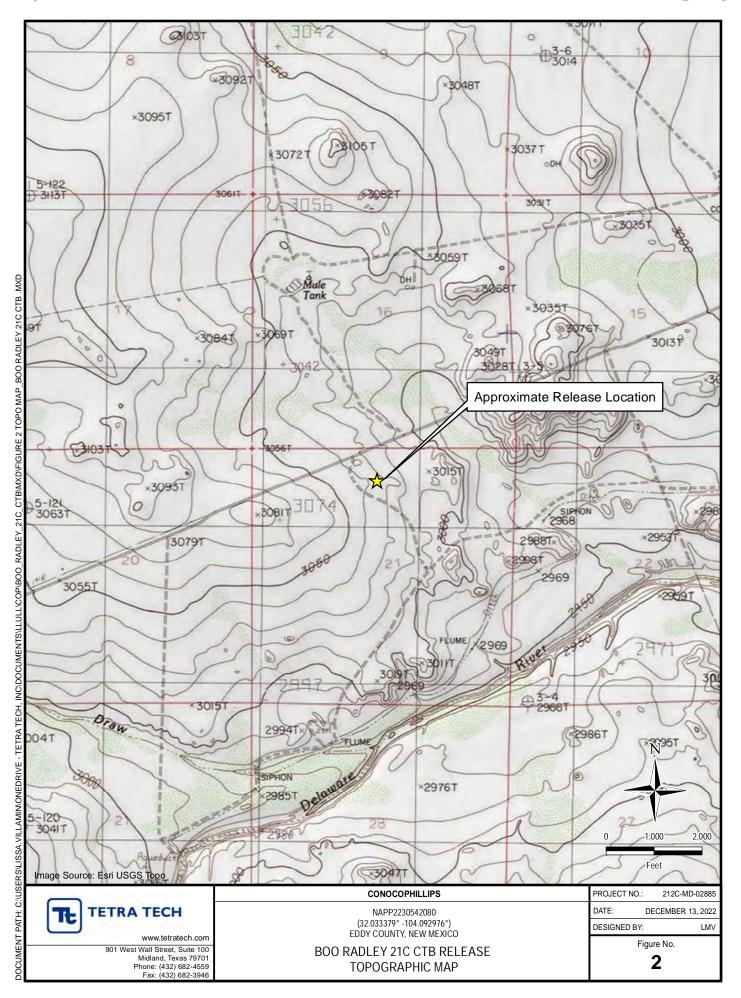
Appendix C – Regulatory Correspondence

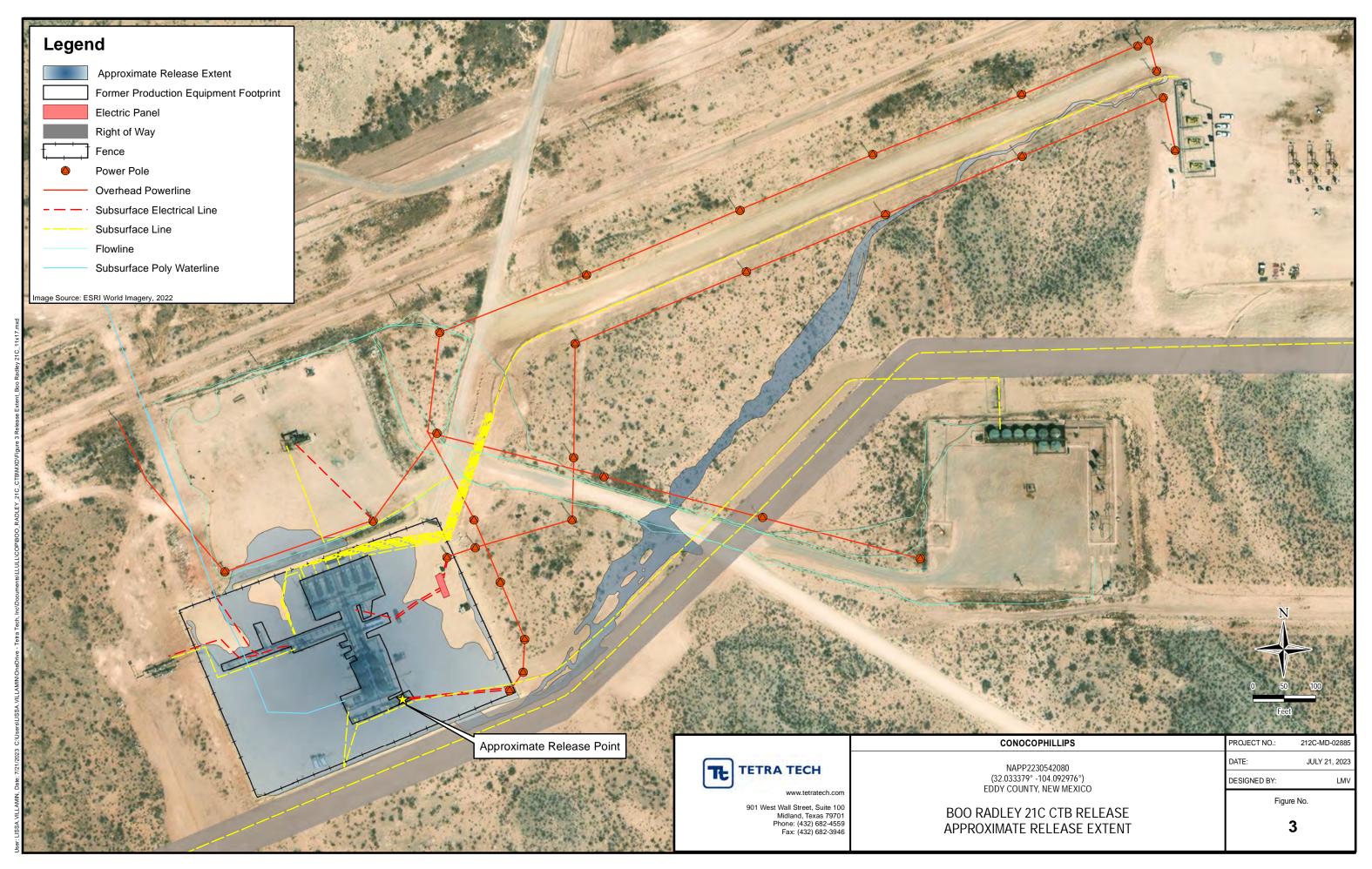
Appendix D – Laboratory Analytical Data

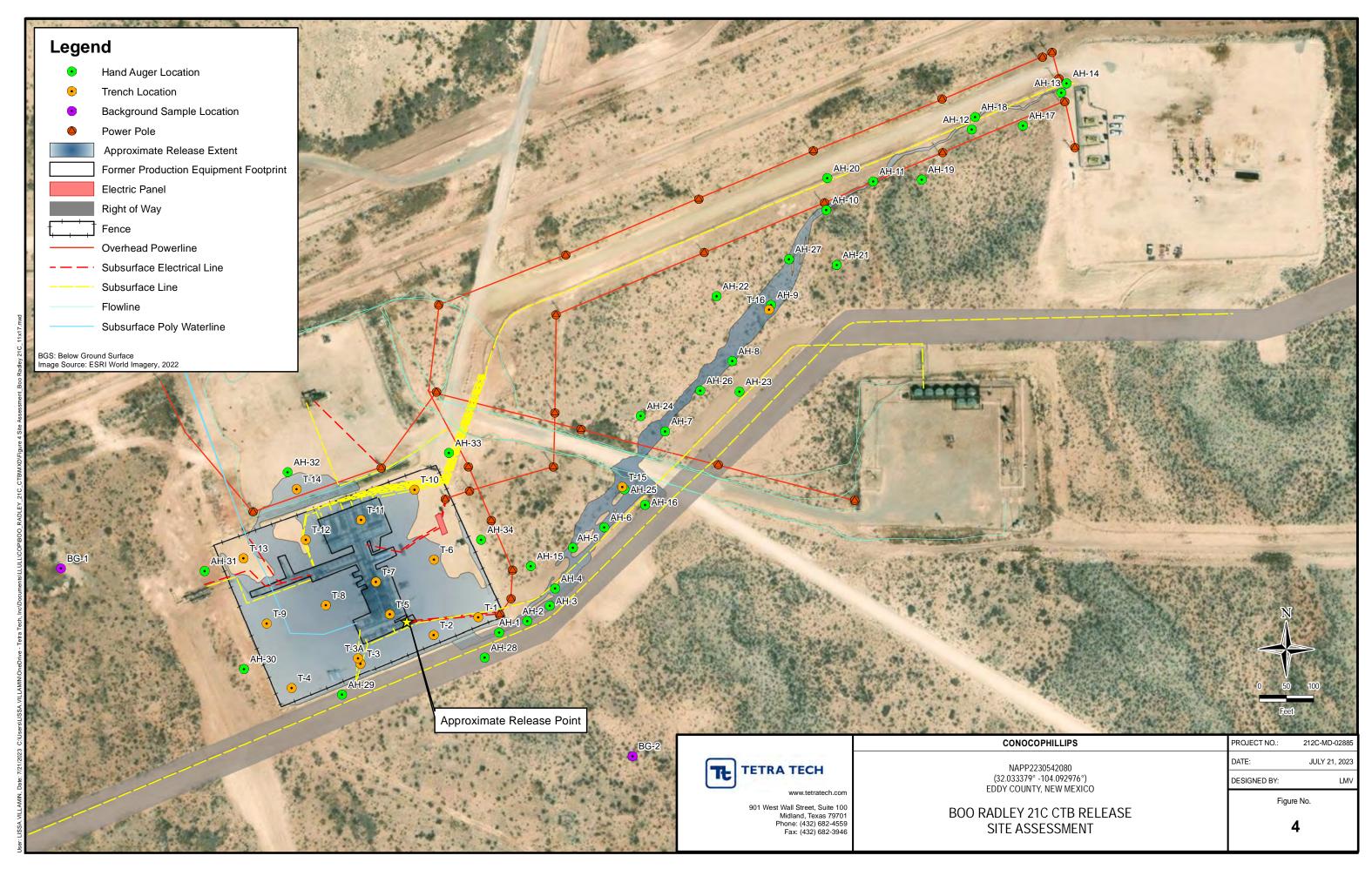
Appendix E – Photographic Documentation

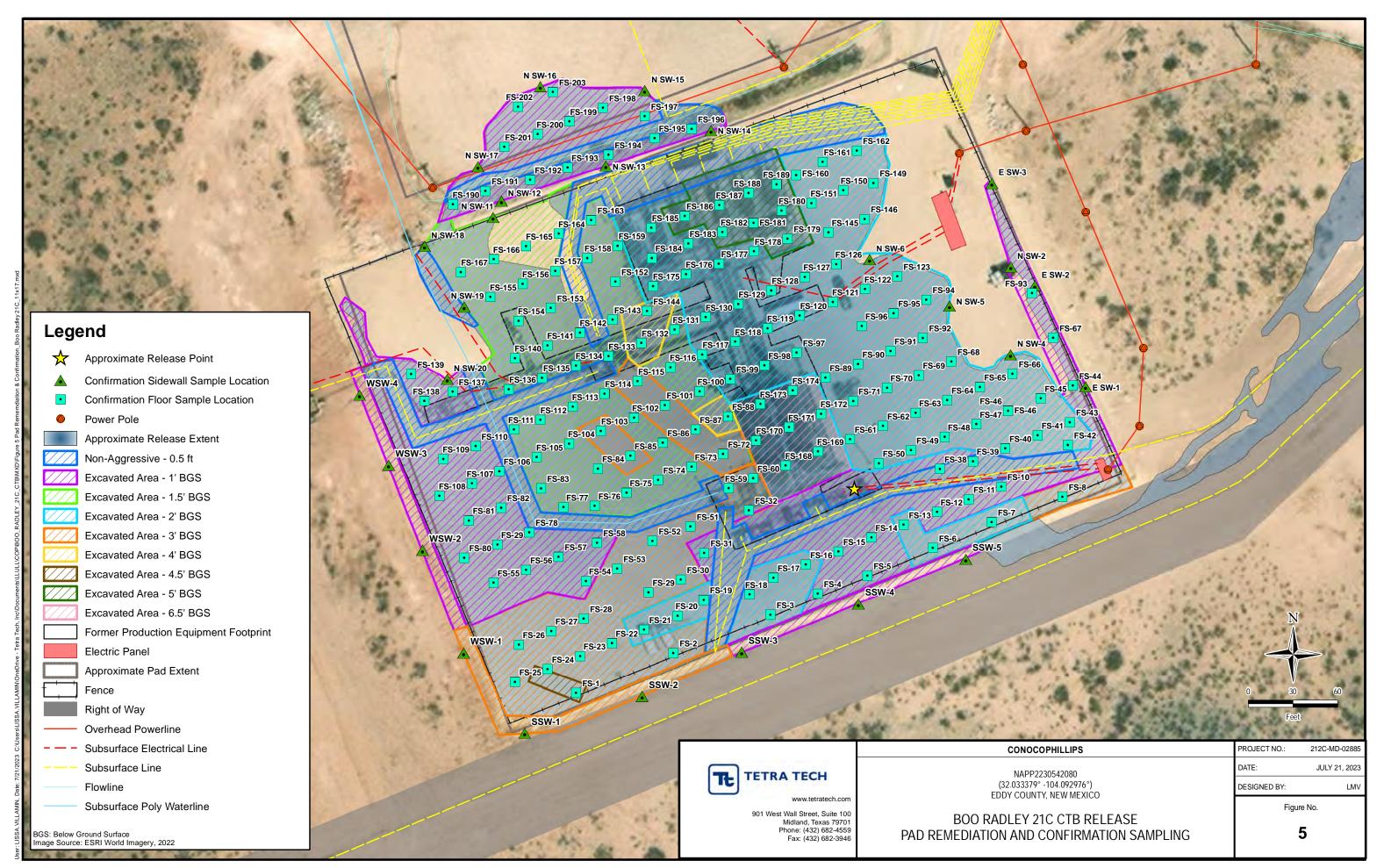
FIGURES

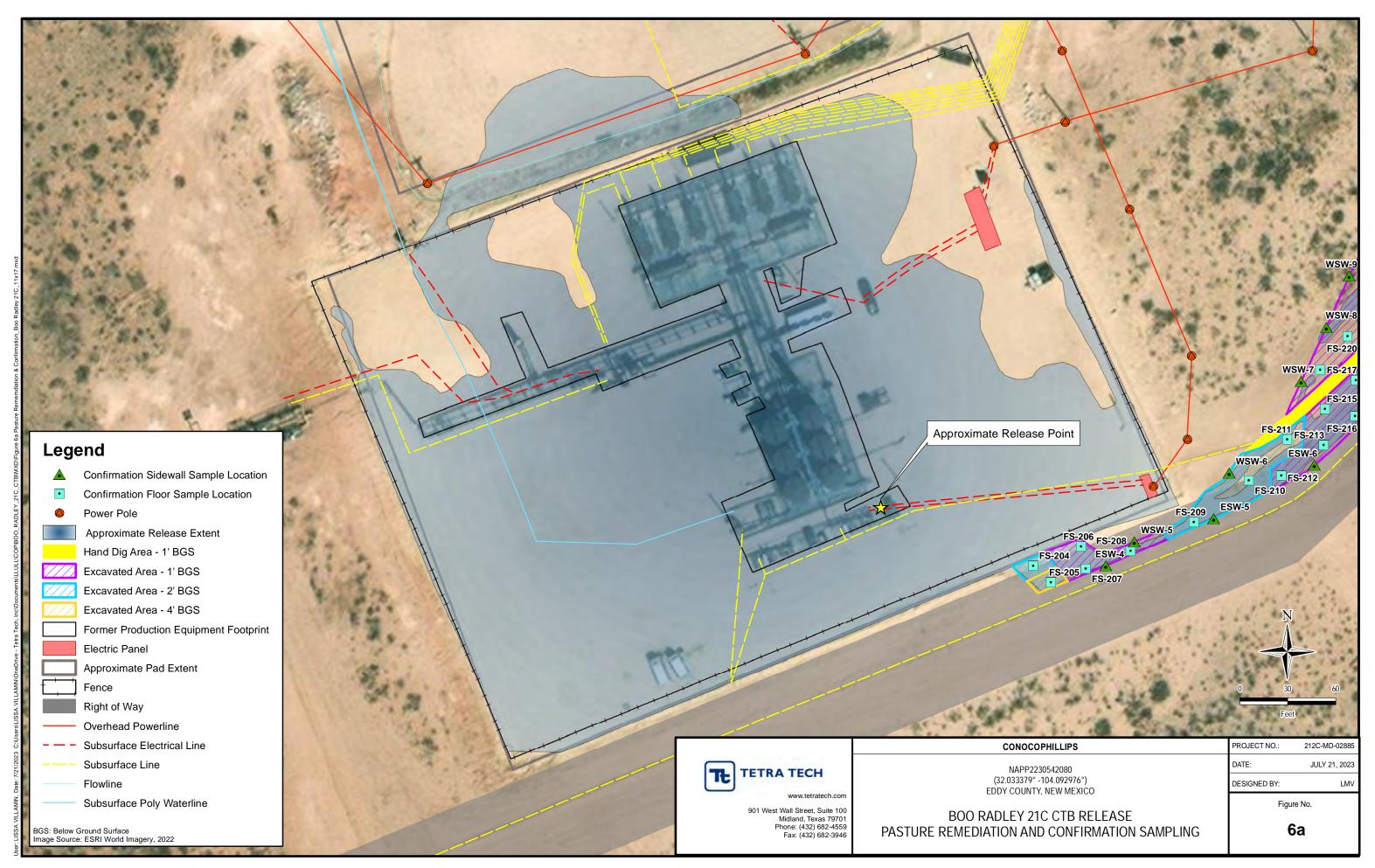


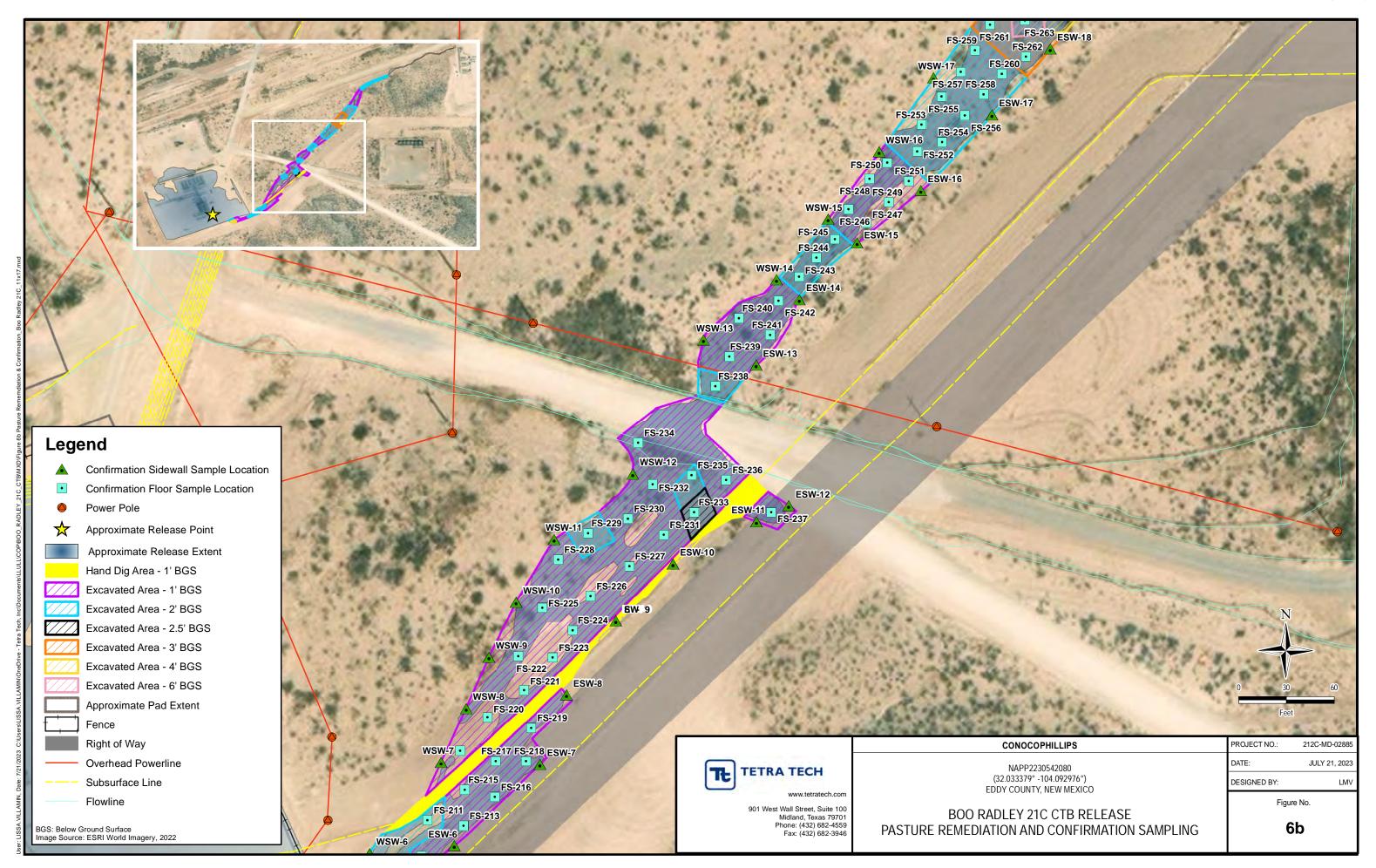


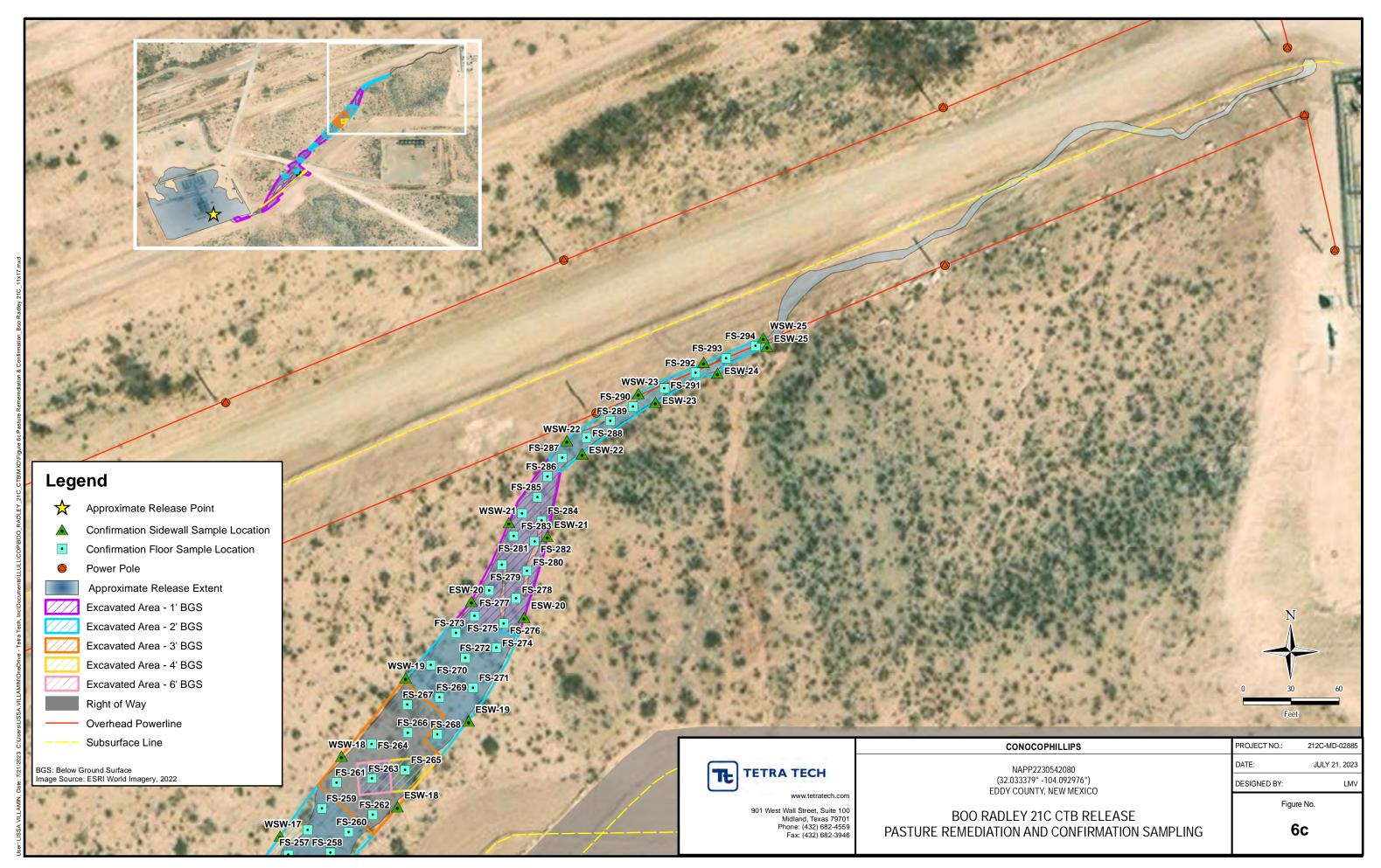












TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS 2022 SOIL ASSESSMENT- NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

			riald car								ВТЕХ	2								1	PH ³		
		Sample Depth	Field Scree	ning Results	Chloric	de¹											GRO		DRO		EXT D	RO	Total TPH
Sample ID	Sample Date		Chloride	Titration			Benzei	ne	Tolue	ne	Ethylben	zene	Total Xyl	enes	Total B	IEX	C ₆ - C	10	> C ₁₀ -	C ₂₈	> C ₂₈ -	C ₃₆	(GRO+DRO+EXT DRO)
		ft. bgs	pp	om	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	11/4/2022	0-1			4,080		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
71112	11/ 1/ 2022	2-3			528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
AH-2	11/4/2022	0-1			512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
All 2	11/4/2022	1-2			144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-3	11/4/2022	0-1			704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-4	11/4/2022	0-1			288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
All 4	11/4/2022	2-3			128	ļ	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-5	11/4/2022	0-1			592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
7.11.5	11) 1/ 2022	1-2			816		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-6	11/7/2022	0-1			1,820		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2			80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-7	11/7/2022	0-1			160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2			320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-8	11/7/2022	0-1			2,060		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2			736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1			9,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-9	11/7/2022	2-3			1,570		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			912		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-10	11/7/2022	0-1			4,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2	<u> </u>		1,570		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-11	11/7/2022	0-1			9,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-12	11/7/2022	0-1			112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-13	11/7/2022	0-1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-14	11/7/2022	0-1			160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-15	11/4/2022	0-1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-16	11/7/2022	0-1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-17	11/7/2022	0-1			80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-18	11/7/2022	0-1			96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.9		<10.0		10.9
AH-19	11/7/2022	0-1			64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-20	11/7/2022	0-1			16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-21	11/7/2022	0-1	1		16.0	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	l	<10.0	1	_
AH-22	11/7/2022	0-1	1		<16.0	<u>l </u>	<0.050	<u> </u>	<0.050	1	<0.050		<0.150		<0.300	1	<10.0		<10.0	l <u> </u>	<10.0	1	
	1		 			1	1	l I		<u> </u>					1 1	<u> </u>	l			l	1	1	
AH-23	11/7/2022	0-1	1		32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-24	11/7/2022	0-1	_		<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-25	11/10/2022	0-1 1-2			704 768		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0		-
	1						<0.050		<0.050		<0.050		<0.150						 		<10.0		-
AH-26	11/10/2022	0-1 1-2			1,060		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-
	<u>I</u>		 			<u> </u>		l		<u> </u>					1	<u> </u>				l	1	<u> </u>	
AH-27	11/10/2022	0-1 4-5	1		80.0 560	<u> </u>	<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0	1	-
AH-28	12/5/2022		 			1	<0.050	l	<0.050	<u> </u>	<0.050		<0.150		<0.300	<u> </u>	<10.0		<10.0	l	<10.0	1	<u> </u>
	12/6/2022	0-1	1	<u> </u>	32					<u> </u>						<u> </u>			<u> </u>			<u> </u>	<u> </u>
AH-29	12/6/2022	0-1	<u> </u>	<u> </u>	16	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-30	12/6/2022	0-1			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	-

TABLE 1 SUMMARY OF ANALYTICAL RESULTS 2022 SOIL ASSESSMENT- NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

											BTEX	2								Т	PH ³		
		Sample Depth	Field Scree	ning Results	Chlorid	le ¹											GRO		DRO		EXT DI	RO	Total TPH
Sample ID	Sample Date		Chloride	Titration			Benze	ne	Tolue	ne	Ethylben	zene	Total Xyl	enes	Total B	IEX	C ₆ - C ₁	0	> C ₁₀ - 0	C ₂₈	> C ₂₈ -	C ₃₆	(GRO+DRO+EXT DRO)
		ft. bgs	pp	pm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
AH-31	12/6/2022	0-1			<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		38.1		<10.0		38.1
AH-32	12/6/2022	0-1			208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
AH-33	12/6/2022	0-1			112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		29.5		<10.0		29.5
AH-34	12/6/2022	0-1			16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-6 (in)	780		240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-12 (in)	2,120	1,180	1,200		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	40/4/0000	1-2	1,470	380	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-1	12/1/2022	3-4	1,660		336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6	1,490	320	288		NA		NA		NA		NA		NA		NA		NA		NA		-
		7-8	1,160	200	160		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-6 (in)	2,700		2,400		< 0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-12 (in)	5,820		5,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-2	12/1/2022	1-2	712		448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	810		352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			320		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-6 (in)	1,650		624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		36.5		<10.0		36.5
		6-12 (in)	1,830		816		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		60.5		<10.0		60.5
T-3	12/1/2022	1-2	2,750		1,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4	3,280		2,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			3,080		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-6 (in)			1,400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-3A	12/6/2022	6-12 (in)			1,250		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
1.34	12/0/2022	1-2			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-6 (in)	7,340		9,000		< 0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-12 (in)	2,310	800	1,230		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-4	12/1/2022	1-2	1,480		288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
1-4	12/1/2022	3-4	1,830		752		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		27.3		<10.0		27.3
		5-6	1,180		320		NA		NA		NA		NA		NA		NA		NA		NA		-
		7-8	662		288		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-1	2,370		2,040		0.089		1.31		1.31		22.8		25.5		842		17,700		2,860		21,402
		1-2	2,850		1,660		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.1		<10.0		16.1
T-5	12/2/2022	3-4	1,610		320		<0.050		<0.050		<0.050		<0.150		<0.300		19.2		528		53.9		601.1
		5-6	1,720		1,090		<0.050		<0.050		<0.050		<0.150		<0.300		14.3		693		61.7		769
		7-8	1,630		400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		33.5		<10.0		33.5
		0-6 (in)			256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-12 (in)			704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-6	12/1/2022	1-2			304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
1-0	12/1/2022	3-4			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			32		NA		NA		NA		NA		NA		NA		NA		NA		-
		7-8			16		NA		NA	<u></u>	NA	<u> </u>	NA	<u></u>	NA		NA		NA		NA	<u></u>	-

TABLE 1

SUMMARY OF ANALYTICAL RESULTS 2022 SOIL ASSESSMENT- NAPP2230542080

CONOCOPHILLIPS

BOO RADLEY 21 C FEDERAL CTB RELEASE EDDY COUNTY, NM

											BTEX	2								Т	PH ³		
		Sample Depth	Field Scree	ning Results	Chloric	ie¹	_										GRO		DRO		EXT D	RO	Total TPH
Sample ID	Sample Date		Chloride	Titration			Benze	ne	Toluei	ne	Ethylben	zene	Total Xyl	enes	Total B	IEX	C ₆ - C ₁	0	> C ₁₀ - 0	C ₂₈	> C ₂₈ -	C ₃₆	(GRO+DRO+EXT DRO)
		ft. bgs	pp	pm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1			4,720		<0.200		3.9		2.09		29.5		35.6		1,270		19,900		4,280		25,450
		1-2			960		<0.050		<0.050		<0.050		0.284		0.334		<10.0		29.0		<10.0		29.0
T-7	12/2/2022	3-4			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			400		NA		NA		NA		NA		NA		NA		NA		NA		=
		7-8			80		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-6 (in)	2,590		3,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		2,280		714		2,994
T-8	12/1/2022	6-12 (in)	1,510		384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2	1,630		480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		70.0		<10.0		70.0
		0-6 (in)	4,130		2,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		479		90.5		569.5
T-9	12/1/2022	6-12 (in)	4,440		4,200		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		81.9		11.7		93.6
	, ,	1-2			176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	<u> </u>	-
		0-6 (in)	1,140		224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		6-12 (in)	1,230	400	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-10	12/1/2022	1-2			1,300		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6 7-8			208 176		NA NA		NA NA		NA NA		NA NA		NA NA		NA NA		NA NA		NA NA	-	-
		0-6 (in)			640 4.000		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150		<0.300		<10.0		<10.0		<10.0 <10.0		-
		6-12 (in) 1-2			160		<0.050		<0.050		<0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0		-
T-11	12/1/2022	3-4	1		176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			784		NA		NA		NA		NA		NA		NA		NA		NA		-
		7-8			64		NA		NA NA		NA NA		NA		NA NA		NA		NA		NA NA		-
		0-6 (in)			192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		93.2		47.6		140.8
		6-12 (in)			512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		31.8		13.4		45.2
T-12	12/1/2022	1-2			80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6			256		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-6 (in)	425		96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	Ì	-
T-13	12/1/2022	6-12 (in)	394	200	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2			48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-6 (in)	2,140		928		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-14	12/1/2022	6-12 (in)	2,290	920	1,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		1-2			112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1			928		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
T-15	12/6/2022	1-2			3,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		3-4			144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		0-1			1,020		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
7.40	42/6/2222	1-2			128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
T-16	12/6/2022	3-4			64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
		5-6		_	256		<0.050		<0.050		<0.050		<0.150		< 0.300		<10.0		<10.0		<10.0	-	1

TABLE 1

SUMMARY OF ANALYTICAL RESULTS

2022 SOIL ASSESSMENT- NAPP2230542080

CONOCOPHILLIPS

BOO RADLEY 21 C FEDERAL CTB RELEASE

EDDY COUNTY, NM

			Field Screen	ina Dagulta							ВТЕХ	2								TI	PH ³		
Sample ID	Sample Date	Sample Depth	rieid Screen	iing kesuits	Chlorid	le ¹	Benzer	20	Toluer		Ethylben	7000	Total Xyl	onoc	Total B	EV	GRO		DRO		EXT DR	RO	Total TPH
Sample ID	Sample Date		Chloride	Titration			benzer	ie	Toluer	ie	Ethylben	zene	TOTAL AND	enes	TOTAL	EA .	C ₆ - C ₁	10	> C ₁₀ - (C ₂₈	> C ₂₈ - (C ₃₆	(GRO+DRO+EXT DRO)
		ft. bgs	рр	m	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	ď	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
		0-1			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
BG-1	12/6/2022	1-2			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
BG-1	12/0/2022	3-4			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
		5-6			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
		0-1			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
BG-2	12/6/2022	1-2			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-
BG-2	12/0/2022	3-4			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		=
		5-6			<16.0		NA		NA		NA		NA		NA		NA		NA		NA		-

NOTES:

ft. Feet

bgs Below ground surface mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

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

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

				Chlorid	oc ¹					BTEX	2								т,	PH ³		
19.15.2	9.12 NMAC Closure Criteria f	or Soils Impacted by a	Release (≤ 50 ft):	< 600 m		< 10 mg	/ka			DIEX				< 50 mg	/ka				- ''	г н		< 100 mg/kg
		1	Field Screening	(000 III)	5/ N5	10 mg	/ " 5							1 30 mg	/ " 5	GRO)	DRO)	EXT D	ю	100 mg/kg
Campila	D. Camarla Data	Sample Depth	Results	Chlori	de	Benze	ne	Tolue	ne	Ethylben	zene	Total Xyle	enes	Total B	ΓEX			_		_	_	Total TPH (GRO+DRO+EXT DRO)
Sample I	D Sample Date		Chlorides													C ₆ - C	10	> 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
NSW-2		-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-4		-	-	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-4 (5		-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-5		-	-	864		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		112		23.3		135.3
NSW-5 (5 NSW-6		-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		14.3		<10.0		14.3
NSW-1		-	 	352 544		<0.050 <0.050		<0.050 <0.050		<0.050		<0.150 <0.150		<0.300		<10.0 <10.0		20.2 <10.0		<10.0 <10.0		20.2
NSW-12		-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-12		<u> </u>	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
NSW-14	-,-,	-		192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
NSW-15		1	+ -	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
NSW-16		 	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
NSW-17		<u> </u>	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
NSW-18		-	-	4,080		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
NSW-18 (5	. ,		-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.1		<10.0		10.1
NSW-19		_	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
NSW-20		_	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		38.6		19.7		58.3
E SW-1		-	<u> </u>	304	<u> </u>	<0.050		<0.050		<0.050	<u> </u>	<0.150		<0.300	l	<10.0	1	<10.0		<10.0	<u> </u>	-
E SW-1		<u> </u>	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-3	-,,,	-	 	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-4	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	 	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
E SW-5		_	-	3200		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
E SW-5 (2	.,,	-	-	1280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
ESW-5 (3'		_	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		13.1		<10.0		13.1
E SW-6		-	-	4160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
E SW-6 (2		-	-	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-7		-	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
E SW-8		-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-9	7/12/2023	-	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-10	7/12/2023	-	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-1:	1 7/13/2023	-	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-12	7/13/2023	-	-	4120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ESW-12 (2	2')* 7/17/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-13	3 7/13/2023	-	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-14	7/13/2023	-	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-15	7/10/2023	-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-16	7/10/2023	-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-17		-	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-18		-	326	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
E SW-19	7/6/2023	-	358	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS

2023 SOIL CONFIRMATION - NAPP2230542080

CONOCOPHILLIPS

BOO RADLEY 21 C FEDERAL CTB RELEASE EDDY COUNTY, NM

Sample Decomposition Sample Decompositio					I chlorid	1	20)23 S(OIL CON	Y OF FIRM CONC Y 21 (COPHIL C FEDERA COUNTY	NAP LIPS AL CT , NM	RESULTS P223054 B RELEAS)						nu ³	
Sample to Sam	19.15.29.12 NM	1AC Closure Criteria fo	r Soils Impacted by a R	Release (≤ 50 ft):			< 10 mg	/kg			BIEX				< 50 ma	/kg					РН	< 100 mg/kg
Sample Description Sample						<u> </u>			Toluei	no	Ethylhen	70no	Total Yvle	nos			GRO)	DRC)	EXT DRO	Total TPH
Sept 1.5	Sample ID	Sample Date	Sample Depth		Chlorie	de	Benze	ne	Toluci		Laryiden	zene	Total Ayle	iles	Total B	TEX	C ₆ - C	10	> C ₁₀ -	C ₂₈	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO
FSW-14 786000			ft. bgs		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q						mg/kg
599-22 71/20/23 .	E SW-20	7/6/2023	-		_									_	_		_				_	-
5.997-2	E SW-21		-	372	-		<0.050		<0.050		<0.050		<0.150				<10.0		<10.0		<10.0	-
SW-24 7/17/2023 . 7/84 3.0000 3.	E SW-22	7/13/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SWA-107 7/88/023	E SW-23	7/13/2023	-		16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SW-14 T/17/2033 .	E SW-24	7/17/2023	-		704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SW-4 (P) 7/13/2023 - - 992	E SW-24 (2')*	7/18/2023	-		32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SW14(F) 7/13/7023 - - - - - - - - -	E SW-25	7/17/2023	-		176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SW-16 0 71/8/2023	SSW-1	2/16/2023	-	-	992		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SSW-2 1/15/2023	SSW-1 (4')	7/13/2023	-	-	816		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
\$\frac{\text{SW}_2(\text{f}\gamma}{\text{T}} & \frac{\text{7}\text{13}\text{7}\text{23}}{\text{7}\text{13}\text{7}\text{23}} &	SSW-1 (5')	7/18/2023	-	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
\$\frac{\text{SSW}_2(\text{S})^**}{\text{SSW}_3}\$ \ \ \frac{1}{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}\frac{1}{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}\frac{1}1	SSW-2	2/16/2023	-	-	2,800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SSW3 2/17/2023 - - 1,630 - 4,050 - 40,0	SSW-2 (4')*	7/13/2023	-	-	11,000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SSW3 (4) 7/13/2023	SSW-2 (5')**	7/18/2023	-	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
\$\frac{\text{SW3}(\text{S})}{\text{SW3}(\text{S})}\$ \text{7}/\text{\$\frac{\text{SW3}}{\text{S}}}\$ \text{SW4} \text{SW4} \text{SW4} \		2/17/2023	-	-	1,630		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
SSW-4 (4)" 7/13/2023			-	-																		-
SSW-4 (4)* 7/13/2023 - 15,000																						-
SSW-4 (5)**				-																	-	-
SSW-5 2/17/2023 - - 2,000 40.050 40.050 40.050 40.050 40.150 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 40.050 4				-									-									-
SW-5 (4)* 7/13/2023 - 140.0 -0.050				-																		-
SW-5 (5)**			-	-																	-	-
WSW-1 (4)* 7/13/2023				-																		-
WSW-1 (4')* 7/13/2023 - - - - - - - - -				I.																		
WSW-1 (5)** 7/18/2023 - -																					-	-
WSW-2 2/17/2023 - 4,080 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050			-	-							1											-
WSW-2 (4')*																						18.9
WSW-2 (5)** 7/18/2023 - - <td></td> <td>-</td> <td>-</td>																					-	-
WSW-3 2/17/2023 - 1,720 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050					-																	-
WSW-3 (4)* 7/13/2023 - 16,700 5-04 <0.050 <0.050 <0.050 <0.150 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0			-	-																		-
WSW-4 7/13/2023 - 608 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050			-	-	· ·	S-04					ļ				1		1				_	-
WSW-4 (1)* 7/18/2023 - - 32 <.0.50 <.0.50 <.0.50 <.0.50 <.0.150 <.0.300 <.10.0 <.10.0 <.10.0 <.10.0	WSW-3 (5')**	7/18/2023	-	-	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
WSW-5 7/18/2023 - - 208 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	WSW-4	7/13/2023	-	-	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
WSW-6 7/12/2023 96.0 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10	WSW-4 (1')*	7/18/2023	-	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
WSW-7 7/12/2023 64.0 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0	WSW-5	7/18/2023	-	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-
		7/12/2023	-	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300	<u> </u>	<10.0		<10.0		<10.0	-
WCW 9 7/3/2022 3220 3020 3020 3020 3020 3020 30			-	-																		-
WSW-8 7/12/2023	WSW-8	7/12/2023	-	-	3320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS **BOO RADLEY 21 C FEDERAL CTB RELEASE** EDDY COUNTY, NM

				Chlorid	es ¹					ВТЕХ	,2								TI	PH ³		
19.15.29.12	IMAC Closure Criteria fo	r Soils Impacted by a F	Release (≤ 50 ft):	< 600 mg		< 10 mg	/kg							< 50 mg	/kg							< 100 mg/kg
			Field Screening Results				_	Toluer	ne	Ethylben	zene	Total Xyle	enes		_	GRO)	DRO)	EXT DI	RO	Total TPH
Sample ID	Sample Date	Sample Depth	Chlorides	Chloric	de	Benze	ne			,				Total B	TEX	C ₆ - C	10	> C ₁₀ - 0	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
WSW-9	7/12/2023	-	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-10	7/12/2023	-	-	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-10 (2')*	7/17/2023	-	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-11	7/13/2023	-	-	656		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-11 (2')*	7/17/2023	-	-	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-12	7/13/2023	-	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-13	7/13/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-14	7/13/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-15	7/10/2023	-	-	880		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-15 (2')*	7/13/2023	-	-	1280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-15 (4')**	7/17/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-16	7/10/2023	-	-	2,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-16 (2')*	7/13/2023	-	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-17	7/10/2023	-	-	832		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.2		<10.0		12.2
WSW-17 (2')*	7/13/2023	-	-	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
WSW-18	7/6/2023	-	796	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-19	7/6/2023	-	460	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-20	7/6/2023	-	252	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-21	7/10/2023	-	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-22	7/13/2023	-	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-23	7/17/2023	-	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-24	7/17/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
WSW-25	7/17/2023	-	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-1	2/23/2023	4.5	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2	2/21/2023	1	-	1,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2 (2')*	2/24/2023	2	-	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-2 (3')**	3/1/2023	3	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3	2/20/2023	1	-	2,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-3 (2')*	2/23/2023	2	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-4	2/20/2023	1	-	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-5	2/20/2023	1	-	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-6	2/20/2023	1	-	1,920		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-6 (2')*	2/23/2023	2	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7	2/20/2023	1	-	704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-7 (2')*	2/23/2023	2	-	496		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-8	2/20/2023	1	-	2,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-8 (3')*	2/23/2023	3	-	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-10	2/15/2023	0.5	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE EDDY COUNTY, NM

_						1						2								_	3		
4	19.15.29.12 NN	MAC Closure Criteria fo	r Soils Impacted by a F	telease (≤ 50 ft):	Chlorid		.40	// .			BTEX					/1 -				Т	PH ³		
		I	I	Field Screening	< 600 m	g/kg	< 10 mg	g/kg							< 50 mg	/kg	GRO		DRO		EXT DR	0	< 100 mg/kg
			Sample Depth	Results	Chlori	de	Benze	ne	Toluer	ne	Ethylben	zene	Total Xyle	enes	Total B	EX							Total TPH
	Sample ID	Sample Date		Chlorides													C ₆ - C ₁	.0	> C ₁₀ -	C ₂₈	> C ₂₈ - (36	(GRO+DRO+EXT DRO)
<u> </u>			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
3	FS-11	2/15/2023	0.5	-	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
ا د	FS-11 (1')*	2/20/2023	1	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
L	FS-12	2/20/2023	1	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-13	2/20/2023	1	-	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
`	FS-13 (2')*	2/23/2023	2	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
L	FS-14	2/20/2023	1	-	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
L	FS-15	2/20/2023	1	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-16	2/20/2023	1	-	944		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
-	FS-16 (2')*	2/23/2023	2	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
-	FS-17	2/20/2023	1	-	1,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
-	FS-17 (2')* FS-18	2/23/2023	2	-	288 2.040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0 <10.0		-
H	FS-18 (2')*	2/20/2023 2/23/2023	2	-	544		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300		<10.0 <10.0		<10.0 <10.0		<10.0		-
-	FS-19	2/21/2023	1	-	736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
H	FS-19 (2')*	2/24/2023	2	_	768		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-19 (3')**	3/1/2023	3		560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
-	FS-20	2/21/2023	1	-	912		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
F	FS-20 (2')*	2/24/2023	2	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-21	2/21/2023	1	-	1,280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-21 (2')*	2/24/2023	2	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-22	2/15/2023	3	-	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-23	2/15/2023	3	-	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-24	2/15/2023	3	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-25	2/15/2023	3	-	512		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-26	2/15/2023	3	-	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-27	2/15/2023	3	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-28	2/15/2023	3	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		1
	FS-29	2/21/2023	1	-	1,630		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-29 (2')*	2/24/2023	2	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-30	2/21/2023	1	-	1,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-30 (2')*	2/24/2023	2	-	624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-30 (3')**	3/1/2023	3	-	720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
L	FS-30 (4')***	3/2/2023	4	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
L	FS-31	2/21/2023	1	-	528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
H	FS-32	2/27/2023	2	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		28.1		<10.0		28.1
\vdash	FS-38	2/15/2023	0.5	-	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
F	FS-39	2/15/2023	0.5	-	592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
H	FS-40	3/1/2023	2	-	160	ļ	<0.050		<0.050		<0.050	1	<0.150		<0.300		<10.0		<10.0		<10.0		- 20.5
H	FS-41	3/1/2023	2	-	160	ļ	<0.050		<0.050		<0.050	1	<0.150		<0.300		<10.0		20.6		<10.0		20.6
L	FS-42	3/1/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

					Chlorid	les ¹					ВТЕХ	2								Т	PH ³		
1	9.15.29.12 NN	1AC Closure Criteria fo	r Soils Impacted by a F	Release (≤ 50 ft):	< 600 m		< 10 mg	g/kg			5.2.				< 50 mg	/kg					1		< 100 mg/kg
				Field Screening Results					Tolue	ne	Ethylben	zene	Total Xyle	enes			GRO)	DRO)	EXT D	RO	Total TPH
Sa	mple ID	Sample Date	Sample Depth	Chlorides	Chlori	de	Benze	ne							Total B	TEX	C ₆ - C	10	> 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
	FS-43	3/1/2023	2	-	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-44	3/1/2023	2	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-45	2/15/2023	0.5	-	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-	45 (1.5')*	2/24/2023	1.5	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
	FS-46	2/15/2023	0.5	-	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-	46 (1.5')*	2/15/2023	1.5	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
	FS-47	2/15/2023	0.5	-	624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-47 (2')*	2/27/2023	2	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		40.0		<10.0		40.0
	FS-48	2/27/2023	2	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-49	2/10/2023	0.5	-	928		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-49 (2')*	2/27/2023	2	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-50	2/27/2023	2	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-51	2/21/2023	1	-	1,760		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-51 (2')*	2/24/2023	2	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-52	2/21/2023	1	-	2,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-52 (2')*	2/24/2023	2	-	528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-53	2/21/2023	1	-	1,800	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-53 (2')*	2/24/2023	2	-	624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-	53 (3')**	3/1/2023	3	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-54	2/21/2023	1	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-55	2/21/2023	1	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-56	2/21/2023	1	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-57	2/21/2023	1	-	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-58	2/21/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-59	2/27/2023	2	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		56.4		<10.0		56.4
	FS-60	2/27/2023	2	-	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.6		<10.0		21.6
	FS-61	2/10/2023	0.5	3,650	1,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-61 (2')*	2/27/2023	2	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-62	2/27/2023	2	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-63	2/27/2023	2	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-64	2/24/2023	1.5	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-65	2/10/2023	0.5	2,200	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-66	2/24/2023	1.5	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-67	3/1/2023	2	-	128		<0.050		<0.050		<0.050		<0.150		<0.300	<u> </u>	<10.0		<10.0		<10.0		-
	FS-68	2/27/2023	2	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-69	2/10/2023	0.5	1,960	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-70	2/27/2023	2	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-71	2/27/2023	2	-	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-72	2/28/2023	1.5	-	880		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS	-72 (3')*	3/1/2023	3	-	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS **BOO RADLEY 21 C FEDERAL CTB RELEASE**

				Chlorid	or ¹	20)23 S(OIL CON RADLE	Y OF A FIRMA CONC Y 21 (COPHIL	NAP LIPS AL CT , NM	RESULTS P223054 B RELEA:)						PH ³		
19.15.29.12 NM	MAC Closure Criteria fo	r Soils Impacted by a R	Release (≤ 50 ft):	< 600 m		< 10 mg	/kg			BIEX				< 50 mg	g/kg				<u>'</u>	rn	<:	.00 mg/kg
			Field Screening Results					Toluer	ne	Ethylben	zene	Total Xyle	enes			GRO		DRO		EXT DRO		otal TPH
Sample ID	Sample Date	Sample Depth	Chlorides	Chlori	de	Benzei	ne					,		Total B	TEX	C ₆ - C ₁	10	> C ₁₀ - 0	C ₂₈	> C ₂₈ - C ₃₆		PRO+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
FS-73	2/28/2023	1.5	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-74	2/28/2023	1.5	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-75	2/23/2023	1	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-76	2/28/2023	1.5	-	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-77	2/15/2023	0.5	-	528		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		10.2		10.2
FS-78	2/21/2023	1	-	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-79	2/21/2023	1	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-80	2/21/2023	1	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-81	2/21/2023	1	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-82	2/21/2023	1	-	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-83	2/15/2023	0.5	-	1,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		28.7		<10.0		28.7
FS-83 (1')*	2/23/2023	1	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-84	2/15/2023	0.5	-	1,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-84 (1.5')*	2/28/2023	1.5	-	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-85	2/28/2023	1.5	-	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-85 (3')*	3/1/2023	3	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-86	2/28/2023	1.5	-	224		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-
FS-87	2/28/2023	1.5	-	768		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-87 (3')*	3/1/2023	3	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-88	2/28/2023	2	-	1,630		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-88 (4')*	3/1/2023	4	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-89 FS-90	2/27/2023 2/10/2023	0.5	-	448 384		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300	 	<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-
FS-90 FS-91	2/16/2023	0.5		736	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		260		53.5		313.5
FS-91 (2')*	2/27/2023	2	_	432	QIVI-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-92	2/16/2023	0.5	-	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		53.3		<10.0		53.3
FS-92 (2')*	2/27/2023	2	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-93	3/1/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-94	2/10/2023	0.5	594	384		<0.050		<0.050		<0.050		<0.150		<0.300	1	<10.0		31.9		<10.0		31.9
FS-95	2/16/2023	0.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		23.4		<10.0		23.4
FS-96	2/16/2023	0.5	-	656		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		147		24.7		171.7
FS-96 (2')*	2/27/2023	2	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-97	2/28/2023	2	-	160		<0.050		<0.050		<0.050		<0.0150		<0.300		<10.0		<10.0		<10.0		-
FS-98	2/28/2023	2	-	160		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
FS-99	2/28/2023	2	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-100	2/28/2023	2	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-101	2/28/2023	1.5	-	896		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-101 (3')*	3/1/2023	3	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-102	2/28/2023	1.5	-	224	1 7	< 0.050	1	< 0.050	1	< 0.050	1	< 0.150	_	< 0.300	1	<10.0		<10.0	_	<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

					Chlorid	es ¹					ВТЕХ	2								т	PH ³		
4	19.15.29.12 NN	MAC Closure Criteria fo	r Soils Impacted by a F	Release (≤ 50 ft):	< 600 m		< 10 mg	/kg			DILA				< 50 mg	/kg				- "			< 100 mg/kg
				Field Screening		J. U		. 0	Toluei		Ethylben	7000	Total Xyle	200			GRO)	DRO)	EXT D	RO	
3	Sample ID	Sample Date	Sample Depth	Results Chlorides	Chlori	de	Benze	ne	Toluei	ic	Luiyibeli	zene	Total Ayle	iles	Total B1	EX	C ₆ - C	10	> C ₁₀ -	C ₂₈	> C ₂₈ -	C ₃₆	Total TPH (GRO+DRO+EXT DRO)
3			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
	FS-103	2/23/2023	1	-	944		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-103 (1.5')*	2/28/2023	1.5	-	624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
1	FS-103 (3')**	3/1/2023	3	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-104	2/28/2023	1.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-105	2/15/2023	0.5	-	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.9		<10.0		12.9
	FS-106	2/21/2023	1	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-107	2/21/2023	1	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-108	2/21/2023	1	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-109	2/21/2023	1	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-110	2/21/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-111	2/23/2023	1	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-112	2/15/2023	0.5	-	1,040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.6		<10.0		10.6
	FS-112 (1.5')*	2/28/2023	1.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-113	2/28/2023	1.5	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-114	2/15/2023	0.5	-	896		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-114 (1.5')*	2/28/2023	1.5	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-115	2/28/2023	1.5	-	976		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-115 (3')*	3/1/2023	3	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	ļ	<10.0		<10.0		-
_	FS-116	2/28/2023	2	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-117	2/28/2023	2	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-118	2/28/2023	2	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
-	FS-119	2/28/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	1	<10.0		<10.0		-
-	FS-120 FS-121	2/28/2023 2/28/2023	2	-	336 320		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		12.8 <10.0		<10.0 <10.0		12.8
	FS-121 FS-122	2/28/2023	0.5	-	752		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		161		32.9		193.9
	FS-122 (2')*	2/16/2023	2	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		63.4		<10.0		63.4
	FS-123	2/16/2023	0.5	_	1,070		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		212		40.1		252.1
	FS-123 (2')*	2/27/2023	2	_	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		42.3		<10.0		42.3
	FS-126	2/24/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-126 (2')*	2/28/2023	2	_	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
	FS-127	2/28/2023	2	_	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-128	2/28/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_
	FS-129	2/28/2023	2	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-130	2/28/2023	2	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-131	2/28/2023	2	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-132	2/15/2023	0.5	-	2,240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-132 (1.5')*	2/28/2023	1.5	-	1,650		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-132 (4')**	3/1/2023	4	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-133	2/27/2023	1.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		36.8		<10.0		36.8
	FS-134	2/27/2023	1.5	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		35.2		<10.0		35.2

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

4					Chlorid	es ¹					BTEX	2								TI	PH ³		
2	19.15.29.12 NM	1AC Closure Criteria for	r Soils Impacted by a F	Release (≤ 50 ft):	< 600 mg		< 10 mg	/kg			DILX				< 50 mg	/kg							< 100 mg/kg
s =				Field Screening		J. U		. 0	Toluer	ne	Ethylben	zene	Total Xyle	enes			GRO)	DRO)	EXT D	RO	Total TPH
3	Sample ID	Sample Date	Sample Depth	Results Chlorides	Chlorie	de	Benze	ne	10.00		2,		Total Ayre		Total B1	ΓEX	C ₆ - C	10	> C ₁₀ - 0	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
3	FS-135	2/27/2023	1.5	-	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		34.2		<10.0		34.2
١	FS-136	2/27/2023	1.5	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		33.2		<10.0		33.2
4	FS-137	2/16/2023	0.5	-	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
2	FS-138	2/16/2023	0.5	-	736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
1	FS-138 (1')*	2/23/2023	1	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-139	2/23/2023	1	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-140	2/27/2023	1.5	-	348		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		52.2		<10.0		52.2
	FS-141	2/27/2023	1.5	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		45.2		<10.0		45.2
	FS-142	2/27/2023	1.5	-	432		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		47.2		<10.0		47.2
	FS-143	2/28/2023	1.5	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-144	2/28/2023	2	-	1,580		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
L	FS-144 (4')*	3/1/2023	4	-	80.0		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
L	FS-145	2/24/2023	2	-	160		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
L	FS-146	2/24/2023	2	-	160		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
L	FS-149	2/24/2023	2	-	112		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-150	2/24/2023	2	-	160		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-151	2/24/2023	2	-	400		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-152	2/28/2023	1.5	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-153	2/27/2023	1.5	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-154	2/27/2023	1.5	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-155	2/27/2023	1.5	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.7		<10.0		12.7
	FS-156	2/27/2023	1.5	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-157	2/27/2023	1.5	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-158	2/28/2023	1.5	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-159	2/28/2023	1.5	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-160	2/24/2023	2	-	128		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-161	2/24/2023	2	-	320		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-162	2/24/2023	2	-	144		<0.050		<0.050		<0.050		<0.050		<0.300		<10.0		<10.0		<10.0		-
	FS-163	2/28/2023	1.5	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-164	2/27/2023	1.5	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-165	2/27/2023	1.5	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-166	2/27/2023	1.5	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-167	2/27/2023	1.5	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-168	2/15/2023	4.5	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.6		13.7		30.3
	FS-169	2/15/2023	4.5	-	64.0		<0.050		<0.050		<0.050		0.461		0.461		45.1		1,260		190		1,495
	FS-169 (6')*	2/21/2023	6	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-170	2/15/2023	4.5	-	304	S-04	<0.050		0.078	GC-NC1	0.198		3.88		4.15		222		3,230		478		3,930
L	FS-170 (6')*	2/21/2023	6	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
	FS-171	2/15/2023	4.5	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		331		88.8		419.8
	FS-171 (6')*	2/21/2023	6	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

				Chlorid	es ¹					BTEX	2								Т	PH ³		
19.15.29.1	2 NMAC Closure Criteria fo	r Soils Impacted by a I	Release (≤ 50 ft):	< 600 m		< 10 mg	/kg							< 50 mg	/kg							< 100 mg/kg
		Consider Describ	Field Screening Results	Chlorie			_	Tolue	ne	Ethylben	zene	Total Xyl	enes		_	GRO)	DRO)	EXT D	RO	Total TPH
Sample ID	Sample Date	Sample Depth	Chlorides	Chiori	ae	Benzei	ne							Total B	IEX	C ₆ - C	10	> 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
FS-172	2/15/2023	4.5	-	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		460		86.3		546.3
FS-172 (6')*	2/21/2023	6	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		23.1		<10.0		23.1
FS-173	2/15/2023	4.5	-	304	S-04	<0.050		0.066	GC-NC1	0.186		3.49		3.74		265		3,870		582		4,717
FS-173 (6')*	2/21/2023	6	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		410		71.9		481.9
FS-173 (6.5')	2/23/2023	6.5	-	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-174	2/15/2023	4.5	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		343		103		446
FS-174 (6')*	2/21/2023	6	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-175	2/16/2023	2	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-176	2/16/2023	2	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-177	2/16/2023	2	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-178	2/16/2023	2	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.7		<10.0		22.7
FS-179	2/16/2023	5	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-180	2/16/2023	5	-	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-181	2/16/2023	5	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-182	2/16/2023	5	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
FS-183	2/16/2023	2	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-184	2/16/2023	2	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-185	2/16/2023	2	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-186	2/16/2023	2	-	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-186 (5')*	2/21/2023	5	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-187	2/16/2023	5	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-188	2/16/2023	5	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-189	2/16/2023	5	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-190	3/2/2023	1.5	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-191	3/2/2023	1.5	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-192	3/2/2023	1.5	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-193	3/2/2023	1.5	-	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-194	3/2/2023	1.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-195	3/2/2023	1.5	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-197	3/2/2023	1.5	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-198	3/2/2023	1.5		368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-199	3/2/2023	1.5	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-200	3/2/2023	1.5	-	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-200 (2')*	3/6/2023	2	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-201	3/2/2023	1.5	-	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-202	3/2/2023	1.5	-	416		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-203	3/2/2023	1.5	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-204	7/13/2023	1	-	1,150		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-204 (2')*	7/18/2023	2	-	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE

				Chlorid	es ¹					BTEX	2								TI	PH ³		
19.15.29.12 N	MAC Closure Criteria fo	r Soils Impacted by a I	Release (≤ 50 ft):	< 600 m	g/kg	< 10 mg	/kg							< 50 mg	/kg							< 100 mg/kg
			Field Screening Results					Tolue	ne	Ethylben	zene	Total Xyl	enes			GRO)	DRO)	EXT D	RO	Total TPH
Sample ID	Sample Date	Sample Depth	Chlorides	Chlori	de	Benze	ne			,		·		Total B	ΓEX	C ₆ - C	10	> 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
FS-205	7/12/2023	1	-	736		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-205 (2')*	7/18/2023	2	-	1260		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-205 (4')**	7/19/2023	4	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-206	7/13/2023	1	-	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-207	7/12/2023	1	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-208	7/12/2023	1	-	496		<0.050		<0.050		<0.050	QM-07	<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-209	7/12/2023	1	-	1,720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-209 (2')*	7/18/2023	2	-	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-210	7/12/2023	1	-	768		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-210 (2')*	7/18/2023	2	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-211	7/12/2023	1	-	1250		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-211 (2')*	7/18/2023	2	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-212	7/12/2023	1	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-213	7/12/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-214	7/12/2023	1	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-215	7/12/2023	1	-	112.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-216	7/12/2023	1	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-217	7/12/2023	1	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-218	7/12/2023	1	-	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-219	7/12/2023	1	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-220	7/12/2023	1	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-221	7/12/2023	1	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-222	7/12/2023	1	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-223	7/12/2023	1	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.9		<10.0		12.9
FS-224	7/12/2023	1	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-225	7/12/2023	1	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-226	7/12/2023	1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-227	7/12/2023	1	-	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-228	7/12/2023	1	-	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-229	7/12/2023	1	-	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-229 (2')*	7/17/2023	2	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-230	7/13/2023	1	-	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-231	7/13/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-232	7/13/2023	1	-	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-233	7/13/2023	1	-	976		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-233 (2')*	7/17/2023	2	-	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-233 (3')**	7/18/2023	3	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-234	7/13/2023	1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-235	7/13/2023	1	-	4120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-235 (2')*	7/17/2023	2	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-

TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080 CONOCOPHILLIPS BOO RADLEY 21 C FEDERAL CTB RELEASE EDDY COUNTY, NM

19.15.29.12	NMAC Closure Criteria fo	r Soils Impacted by a F	Release (< 50 ft):	Chlorid	es ¹					BTEX	2								Т	PH ³		
13113123112	The closure criteria is	. 50:15 111:150:150 27 0 1		< 600 mg	g/kg	< 10 mg	/kg							< 50 mg	/kg	GRO)	DRC	,	EXT DE	30	< 100 mg/kg
Count In	County Date	Sample Depth	Field Screening Results	Chloric	de	Benze	ne	Toluer	ne	Ethylben	zene	Total Xyle	enes	Total B	ΓEX							Total TPH (GRO+DRO+EXT DRO)
Sample ID	Sample Date		Chlorides		1											C ₆ - C		> C ₁₀ -		> C ₂₈ -		(GROTDROTEXT 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
FS-236	7/13/2023	1	-	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-237	7/13/2023	1	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-238	7/12/2023	1	-	3360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-238 (2')*	7/17/2023	2	-	48.0	ļ	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-239	7/12/2023	1	-	80.0	ļ	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-240	7/12/2023	1	-	128	ļ	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-241	7/12/2023	1	-	80.0	ļ	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	ļ	<10.0	ļ	<10.0		-
FS-242	7/12/2023	1	-	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-243	7/12/2023	1	-	816		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-243 (2')*	7/17/2023	2	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	<u> </u>	<10.0	<u> </u>	<10.0		-
FS-244	7/6/2023	1	1740	1,140		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-244 (2')*	7/17/2023	2	-	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-245	7/6/2023	1	2050	1,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.6		<10.0		12.6
FS-245 (2')*	7/17/2023	2	-	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-246	7/6/2023	1	1310	544		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-247	7/6/2023	1	1080	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-248	7/6/2023	1	1050	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-249	7/6/2023	1	942	32.0	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	1	<10.0	1	<10.0		-
FS-250	7/6/2023	1	989 984	96.0	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-251	7/6/2023	1	984	80.0	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-252	7/10/2023	2	-	416	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-253	7/10/2023	2	-	160	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-254 FS-255	7/10/2023	2	-	400	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-256	7/10/2023	2	-	32.0	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-256 FS-257	7/10/2023	2		32.0 96.0	<u> </u>	<0.050 <0.050		<0.050 <0.050		<0.050		<0.150 <0.150		<0.300 <0.300		<10.0	<u> </u>	<10.0	<u> </u>	<10.0		-
FS-257 FS-258	7/10/2023 7/10/2023	2	-	96.0 64.0		<0.050		<0.050		<0.050 <0.050		<0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-
FS-258 FS-259	7/10/2023	2	<u> </u>	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-
FS-259 FS-260	7/10/2023	2	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-
FS-260 FS-261	7/10/2023	3	-	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-
FS-261 FS-262	7/10/2023	3	-	96.0	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	-	<10.0	-	<10.0	1	-
FS-262 FS-263	7/6/2023	3	1380	1,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-263 (4')*	7/6/2023	4	1300	880		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-263 (5')**	7/12/2023	5	-	928		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-263 (6')***	7/17/2023	6	-	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-264	7/6/2023	3	1013	80.0	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	 	<10.0	 	<10.0		-
FS-265	7/6/2023	3	1830	2,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		
FS-265 (4')*	7/12/2023	4	1830	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-266	7/6/2023	3	948	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	 	

Received by OCD:

TABLE 2

SUMMARY OF ANALYTICAL RESULTS 2023 SOIL CONFIRMATION - NAPP2230542080

CONOCOPHILLIPS

BOO RADLEY 21 C FEDERAL CTB RELEASE EDDY COUNTY, NM

10 1E 20 12 N	IMAC Clasura Critaria fa	r Soils Imposted by a	Polosco / C EC #1.	Chloric	les ¹					BTEX	2								T	PH ³		
19.15.29.12 N	IMAC Closure Criteria fo	i Sons impacted by a		< 600 m	g/kg	< 10 mg	/kg							< 50 mg/	/kg	600		F22		EVEN		< 100 mg/kg
		Sample Depth	Field Screening Results	Chlori	de	Benzei	ne	Toluer	ne	Ethylben	zene	Total Xyl	enes	Total BT	ΈΧ	GRO	'	DRO		EXT DF		Total TPH
Sample ID	Sample Date		Chlorides		_						mg/kg O mg					C ₆ - C	10	> 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
FS-267	7/6/2023	2	1590	1,220		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-267 (3')*	7/12/2023	3	-	192		<0.050	QM-07	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-268	7/6/2023	2	934	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-269	7/6/2023	2	1110	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-270	7/6/2023	2	734	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=
FS-271	7/6/2023	2	986	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-272	7/6/2023	2	856	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-273	7/6/2023	2	533	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-274	7/6/2023	2	821	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-275	7/10/2023	1	-	224	QR-03	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-276	7/10/2023	1	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-277	7/10/2023	1	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-278	7/10/2023	1	-	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-279	7/10/2023	1	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-280	7/10/2023	1	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-281	7/10/2023	1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-282	7/10/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-283	7/10/2023	1	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-284	7/10/2023	1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-285	7/10/2023	1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-286	7/10/2023	1	-	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-287	7/17/2023	2	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-288	7/17/2023	2	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-289	7/17/2023	2	-	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-290	7/17/2023	2	-	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-291	7/17/2023	2	-	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-292	7/13/2023	2	-	176	1	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-
FS-293	7/13/2023	2		320	S-04	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	-
FS-294	7/13/2023	2	<u> </u>	320	S-04	<0.050		<0.050	1	<0.050	1	<0.150		<0.300		<10.0	1	<10.0		<10.0		

NOTES:

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500CI-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of Site RRALs.

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

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

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

QUALIFIERS:

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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

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

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

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

APPENDIX A C-141 Forms

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NAPP2230542080
District RP	
Facility ID	fAPP2206853797
Application ID	

Release Notification

Responsible Party

Responsible	e Party	COG Operatir	ng, LLC		OGRID		229137		
Contact Nai	me	Jacqui Ha	arris		Contact Tel	ephone	(575) 496-	-0780	
Contact ema	ail	Jacqui.Harris	@ConocoPhill	lips.com	Incident # (assigned by OCD)	NAPP2230	0542080	
Contact mai	iling address	600 West III	inois Avenue	e, Midlar	nd, Texas 7	79701			
			T	e D					
			Location	n of R	elease So	urce			
Latitude	32.033	37			Longitude	-104.0	929		
			(NAD 83 in 6		grees to 5 decim	al places)			
Site Name		Boo Radley I	ederal 21 (ССТВ	Site Type	Tank	Battery		
Date Release	e Discovered	October 18	, 2022		API# (if appl	icable)	•		
Unit Letter	Section	Township	Range		Count	у			
С	21	26S	28E		Edd	У			
0			1. 1 D D	(N		-	!	,	
Surface Own	er: 🔳 State	☐ Federal ☐ Tr	ibai 🔛 Private	: (Name: _)	
			Nature ar	nd Vol	ume of R	Release			
	Mataria	l(s) Released (Select al	1 that apply and atta	ah aalaulati	ons or specific i	ustification for the	volumes provided b	valow)	
Crude O		Volume Release		500	ons of specific	Volume Reco		unknown	
Produce	d Water	Volume Release	d (bbls)	2250		Volume Reco	vered (bbls)	unknown	
		Is the concentrat		l chloride	in the	■ Yes □ N	o		
Condens	sate	Volume Release				Volume Reco	vered (bbls)		
Natural (Gas	Volume Release	d (Mcf)			Volume Reco	vered (Mcf)		

Cause of Release

Other (describe)

The release was caused by unclosed ESD's on wells, which sent fluid to the combustor and resulted in a fire. The amounts lost were calculated using tank measurements taken before the fire. The fire and addition of water from the fire department hindered the estimation of the amount of fluid recovered.

The fire remained on pad. The release of liquids ran off pad and along a ROW. An initial assessment will be conducted, and the depth of impact evaluated.

Volume/Weight Released (provide units)

Volume/Weight Recovered (provide units)

Form C-141 Page 2

State of New Mexico Oil Conservation Division

<u> </u>	02/6/1 :2ni2nm1 ot b92n9198
Incident ID	NAPP2230542080
District RP	
Facility ID	fAPP2206853797
Application ID	

Was this a major	If YES, for what reason(s) does the resp	onsible party consider this a major release?
release as defined by	The release involved a fire and	l was greater than 25 barrels.
19.15.29.7(A) NMAC?		
■ Yes □ No		
If YES, was immediate no	otice given to the OCD? By whom? To v	whom? When and by what means (phone, email, etc)?
Immediate notice w	as given by Jacqui Harris via e-	mail October 18, 2022 at 1:59 pm to
ocd.enviro@state.n	m.us.	·
	Initial I	Response
The responsible	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in injury
■ The source of the rele	ease has been stopped.	
■ The impacted area ha	s been secured to protect human health ar	nd the environment.
Released materials ha	ave been contained via the use of berms of	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed a	and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	1 why:
	<u> </u>	·
B 10.15.20.0 B (4) NH	11	
		remediation immediately after discovery of a release. If remediation all efforts have been successfully completed or if the release occurred
		please attach all information needed for closure evaluation.
I hereby certify that the info	mation given above is true and complete to the	e best of my knowledge and understand that pursuant to OCD rules and
regulations all operators are	required to report and/or file certain release no	otifications and perform corrective actions for releases which may endanger
public health or the environr	nent. The acceptance of a C-141 report by the	OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
		of responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name. Brittar	ıy N. Esparza	Title: Environmental Technician
Signature: But	ny N. Esparza	Date: 11/1/2022
Brittanv.Espar	za@ConocoPhillips.com	Date: 11/1/2022 Telephone: (432) 221-0398
email:		Telephone: (192) 221 3333
OCD Only		
	Lor Harbara	4.4/0.4/0.000
Received by:Joce	lyn Harimon	Date:11/01/2022

Form C-141 Page 3

State of New Mexico Oil Conservation Division

Nd 12:02:2 pz	02/6/1 :gnignm1 ot bəzbələX
Incident ID	NAPP2230542080
District RP	
Facility ID	fAPP2206853797
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?	> 59 (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 vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 wel Field data	ls.
✓ 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	
Thotographs metading date and O13 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.

reived by OCD: 7/24/2023 9:57:40 PM Page 38 of 609

Incident ID	NAPP2230542080
District RP	
Facility ID	fAPP2206853797
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation points ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ✓ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Ike Tavarez Title: Program Manger, Remediation Date: 12/21/2022 Telephone: 432-685-2573
OCD Only
Received by: Jocelyn Harimon Date:12/21/2022
Approved Approved Deferral Approved Deferral Approved
Signature: Robert Hamlet Date: 2/2/2023

Received by OCD: 7/24/2023 9:57:40 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

Incident ID
District RP
Facility ID
Application ID

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replacement human health or the environment. In addition, OCD acceptance of	ntions. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

APPENDIX B Site Characterization Data



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

586638

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest)

3 3 1 22 26S 28E

(NAD83 UTM in meters)

(In feet)

POD

Sub-QQQ Code basin County 64 16 4 Sec Tws Rng

Distance Well Water Column

Depth Depth Water

120

180

3543998*

300 Average Depth to Water: 120 feet

1112

Minimum Depth: 120 feet

120 feet Maximum Depth:

Record Count: 1

POD Number

C 02160 S7

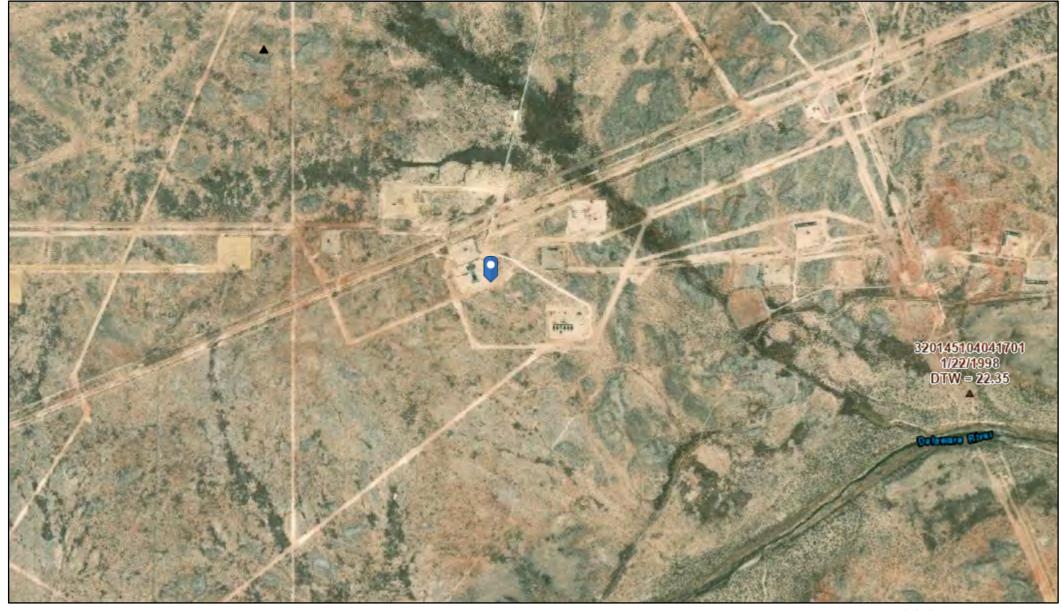
UTMNAD83 Radius Search (in meters):

Radius: 1200 Easting (X): 585643.28 Northing (Y): 3544495.13

*UTM location was derived from PLSS - see Help

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

OCD USGS Groundwater Wells



11/10/2022, 9:12:04 AM

USGS Historical GW Wells





Project Name : Diamondback 22 State 2H(08.30.2021)

214634

Location : Eddy Co, New Mexico

Coordinates : 32.03314°, -104.08201°

Elevation : 2,991'

Project No. :

Date: November 16, 2021

Sampler : Clint Merritt

Driller : Scarborough Drilling

Method: Air Rotary

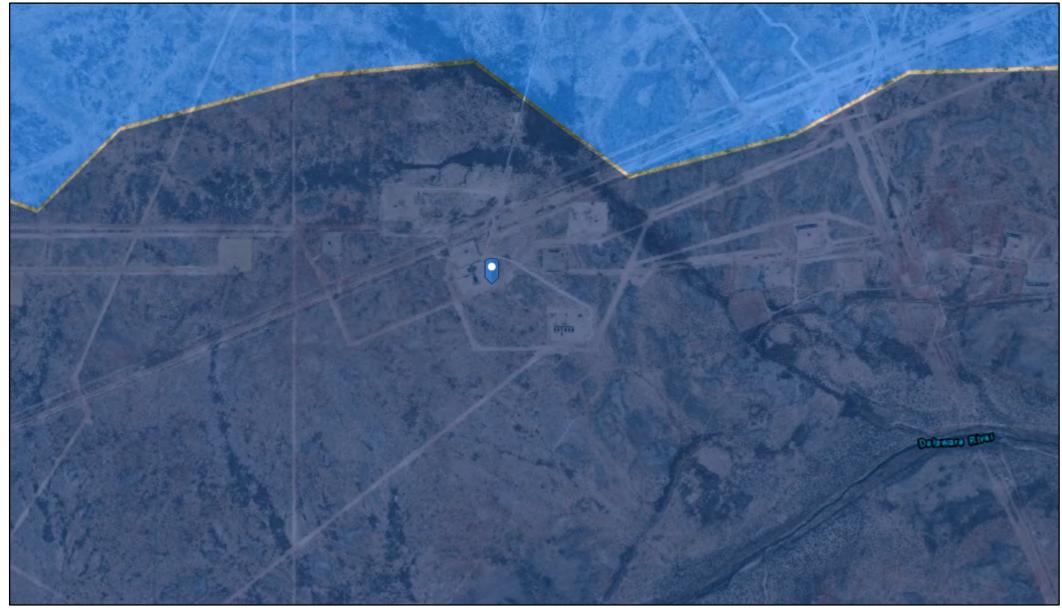
Depth (ft.) WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
20	(0') - Yellowish Orange/White well graded gravel with <50% coarse sand and caliche (GW). Dry (5') - Light reddish brown loose, medium sand with <50% fine well cemented gravel (SW). Dry (10') - Light reddish brown/ white loose fine sand with <25% fine well cemented gravel (SW). Dry (20') - Light brown loose fine sand with <25% fine poorly cemented gravel and trace gypsum (SM). Dry (25') - White fine very loose sand with 100% gypsum (ML). Dry		50		(50') - Light brown soft clay with <50% fine loose sand (CL). Dry (59') - Light brown soft clay with 50% fine loose sand (CL). Moist	

Comments: Total Depth 59' bgs

Drilling Terminated @ 14:00 CT No groundwater present

On 11/19/2021 No groundwater present

OCD Karst Potential Map

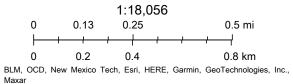


11/10/2022, 9:11:20 AM

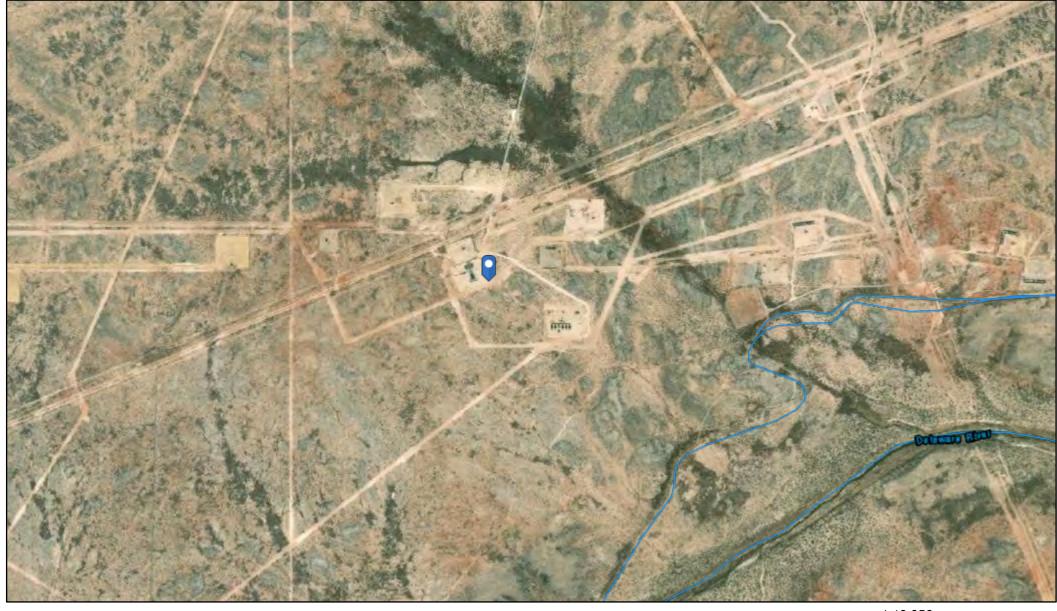
Karst Occurrence Potential





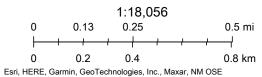


OCD Waterbodies Map



11/10/2022, 9:12:33 AM

OSE Streams



APPENDIX C Regulatory Correspondence

Poole, Nicholas

From: Llull, Christian

Sent: Tuesday, November 15, 2022 4:36 PM

To: Tavarez, Ike

Cc: Poole, Nicholas; Chavira, Lisbeth Subject: Fwd: NMCRIS 151354 submittal

Ike,

SLO has approved the cultural survey at Boo Radley.

Christian

From: Alissa Healy <Alissa.Healy@swca.com> Sent: Tuesday, November 15, 2022 1:18 PM To: Llull, Christian < Christian.Llull@tetratech.com>

Subject: FW: NMCRIS 151354 submittal

A CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. A

Hi Christian -

Please see below for the SLO concurrence that you are approved to begin remediations at the Boo Radley Site. Please let me know If you have any questions.

Thank you, Alissa

From: Tsesmeli, Evangelia <etsesmeli@slo.state.nm.us>

Sent: Tuesday, November 15, 2022 12:16 PM

To: Alissa Healy <Alissa.Healy@swca.com>; SLO CRO <CRO@slo.state.nm.us>

Subject: RE: NMCRIS 151354 submittal

EXTERNAL: This email originated from outside SWCA. Please use caution when replying.

Hello Alissa,

From a cultural resource protection standpoint, this negative NIAF and the absence of any presence of the two sites despite relocation efforts demonstrates that remediation of this area will have no adverse impact on any cultural properties. The proponent is free to proceed with remediation under whatever instrument authorizes their entry onto trust lands for that purpose.

Thank you,



Lia Tsesmeli, Ph.D.

Cultural Resources Office Manager
Trust Land Archaeologist
Cultural Resources Office
505.827.5792 Office
505.469.2894 Mobile
New Mexico State Land Office
310 Old Santa Fe Trail
P.O. Box 1148

Santa Fe, NM 87504-1148 etsesmeli@slo.state.nm.us nmstatelands.org

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From: Alissa Healy < <u>Alissa.Healy@swca.com</u>> **Sent:** Tuesday, November 15, 2022 9:19 AM

To: SLO CRO < CRO@slo.state.nm.us >

Subject: [EXTERNAL] NMCRIS 151354 submittal

Good morning,

Please see attached the NIAF and two LA forms for the not located LA 177231 and LA 66113. Please let me know if you agree that Tetra Tech is approved to begin remediations of the Boo Radley inadvertent release.

Thank you,

Alissa Healy | she, her, hers

Cultural Resources Team Lead

SWCA Environmental Consultants

7770 Jefferson Street NE, Suite 410 Albuquerque, New Mexico, 87109 P 505.234.6841



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Parkey, Jayce

From: OCDOnline@state.nm.us

Sent: Thursday, February 2, 2023 10:22 AM

To: Llull, Christian

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 169450

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. ⚠

To whom it may concern (c/o Christian Llull for COG OPERATING LLC),

The OCD has approved the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2230542080, with the following conditions:

The Remediation Plan is Conditionally Approved. Sidewall/floor samples need to comply with the strictest closure criteria limits 600 mg/kg for Chlorides and 100 mg/kg TPH. A variance for sidewall/floor confirmation samples every 600 ft2 on-pad and 400 ft2 off-pad is approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. If rock refusal interferes with the remediation process, use a backhoe/track-hoe to remove the rock. If the rock is immovable and target depth cannot be reached, use a hydrovac to clean the contaminated soil off the rock surface and outline specific locations and steps taken on the Closure Report. Back-fill with clean material. The work will need to occur in 90 days after the work plan has been approved.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

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

Thank you, **Robert Hamlet** 575-748-1283 Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

Poole, Nicholas

From: Llull, Christian

Sent: Friday, April 21, 2023 8:54 AM To: Poole, Nicholas; Dickerson, Ryan

Subject: FW: (Final Extension) - NAPP2230542080 - COG - Boo Radley 21C CTB Release

Extension approved – please save to Regulatory

Christian

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Friday, April 21, 2023 8:34 AM

To: Llull, Christian < Christian.Llull@tetratech.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD

<Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>

Subject: (Final Extension) - NAPP2230542080 - COG - Boo Radley 21C CTB Release

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

🔥 CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. 🔥

RE: Incident #NAPP2230542080

Christian,

Your request for an extension to July 17th, 2023 is approved. This will be the Final Extension for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave. | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Llull, Christian < Christian.Llull@tetratech.com>

Sent: Thursday, April 20, 2023 2:35 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov> Subject: [EXTERNAL] (Extension Request 2) - NAPP2230542080 - Boo Radley 21C CTB Release

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Mr. Hamlet:

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until July 17, 2023) to complete additional remedial activities in the pasture area and the ensuing closure reporting for the Boo Radley 21C CTB Release site (NAPP2230542080).

Justification for this request, including figures and analytical data showing the project progress of ConocoPhilips is attached and described below.

The initial extension was approved Thursday, January 19, 2023.

The Remediation WP for the entire release was approved on Thursday, February 02, 2023.

As described in the approved WP, ConocoPhillips has completed the first phase of work consisting of excavation and confirmation sampling for the on-pad area, inside the perimeter fence.

The estimated total volume of material remediated on pad was 7,850 cubic yards.

Please see attached laboratory analytical results from the confirmation sampling events, as well as a draft figure.

The resultant reconstruction of the battery pad is now complete.

The remedial action for the pasture area (second phase) is planned to begin now that the battery reconstruction project has concluded.

The pasture phase of the Work Plan (areas outside the perimeter fence) includes the removal of approximately 56,000 square feet of impacted area, for an additional 4,431 cubic yards of material.

ConocoPhillips plans to conduct the additional remediation in the pasture in the coming months, and once the confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the OCD. Please let me know if you have any questions or concerns.

Christian

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Thursday, January 19, 2023 9:57 AM

To: Llull, Christian < Christian.Llull@tetratech.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD

<Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>

Subject: (Extension Approval) - NAPP2230542080 - Boo Radley 21C CTB Release

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

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RE: Incident #NAPP2230542080

Christian,

Your request for an extension to April 17th, 2023 is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Llull, Christian < Christian.Llull@tetratech.com

Sent: Wednesday, January 18, 2023 3:56 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >; Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov >; Nobui, Jennifer, EMNRD < Jennifer.Nobui@emnrd.nm.gov > Subject: [EXTERNAL] (Extension Request 1) NAPP2230542080 - Boo Radley 21C CTB Release

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To whom it may concern:

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until April 17, 2023) to complete the remediation and associated reporting for the Boo Radley 21C CTB Release site (NAPP2230542080).

On October 18, 2022, the subject line incident at the ConocoPhillips Boo Radley 21C CTB resulted in a full facility loss. The facility has been deconstructed. Reconstruction of the facility is scheduled to begin in March of 2023.

ConocoPhillips has taken a proactive approach and has assessed and evaluated the release at the Boo Radley 21C Central Tank Battery within 90 days of the release date. The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on December 21, 2022, with fee application payment PO Number N9F6M-221221-C-1410.

To meet the facility reconstruction timeline, an expedited review of this work plan was requested. As of today, the work plan has not yet been approved, however, remediation is tentatively scheduled to begin first week of February 2023. Notice of final confirmation sampling will be sent at that time. The requested 90-day extension will allow remedial action to be conducted at the Site. The pad area will be remediated first to allow for immediate facility reconstruction. Once the confirmation sampling data is collected, tabulated, and evaluated, a closure report will be submitted to the NMOCD.

Thank you in advance.

Christian Llull, P.G. | Program Manager

Direct +1 (512) 338-2861 | Business +1 (512) 338-1667 | Fax +1 (512) 338-1331 | christian.llull@tetratech.com

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

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Poole, Nicholas

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Tuesday, February 7, 2023 10:33 AM

To: Poole, Nicholas

Cc: Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] Incident ID: NAPP2230542080 - Confirmation Sampling

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Nicholas,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn

Jocelyn Harimon • Environmental Specialist

Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Poole, Nicholas < NICHOLAS.POOLE@tetratech.com>

Sent: Tuesday, February 7, 2023 8:45 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov> Cc: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Subject: [EXTERNAL] Incident ID: NAPP2230542080 - Confirmation Sampling

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

Incident ID (n#) NAPP2230542080 (Boo Radley 21C Federal CTB)

To whom it may concern,

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

Remediation activities on the lease pad portion of the release have begun, Monday, February 6, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling of the lease pad will be conducted at this site Thursday, February 9 through Tuesday, February 21, 2023.

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

Nicholas Poole | Staff Geoscientist

Mobile +1 (512) 560-9064 | nicholas.poole@tetratech.com

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Poole, Nicholas

From: Enviro, OCD, EMNRD < OCD.Enviro@emnrd.nm.gov>

Sent: Friday, June 23, 2023 9:45 AM

To: Poole, Nicholas

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] FW: Incident ID: NAPP2230542080 - Confirmation Sampling

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Nicholas.

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist **Environmental Bureau** EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Poole, Nicholas < NICHOLAS.POOLE@tetratech.com>

Sent: Thursday, June 22, 2023 1:06 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Subject: [EXTERNAL] FW: Incident ID: NAPP2230542080 - Confirmation Sampling

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

Incident ID (n#) NAPP2230542080 (Boo Radley 21C Federal CTB)

To whom it may concern,

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

Remediation activities on the pasture portion of the release will begin Monday, June 26, 2023.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling of the pasture portion will be conducted at this site Tuesday, June 27 through Thursday, July 13, 2023.

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

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

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APPENDIX D Laboratory Analytical Data



February 14, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/23 11:48.

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

Cardinal Laboratories is 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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 90 (6") (H230660-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/14/2023	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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	67.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 69 (6") (H230660-02)

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	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/14/2023	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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 65 (6") (H230660-03)

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	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/14/2023	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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 49 (6") (H230660-04)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	02/14/2023	ND	432	108	400	0.00	
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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 94 (6") (H230660-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/14/2023	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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	31.9	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/13/2023 Sampling Date: 02/10/2023

Reported: 02/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 61 (6") (H230660-06)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2023	ND	2.10	105	2.00	5.92	
Toluene*	<0.050	0.050	02/13/2023	ND	2.09	104	2.00	6.21	
Ethylbenzene*	<0.050	0.050	02/13/2023	ND	2.04	102	2.00	6.18	
Total Xylenes*	<0.150	0.150	02/13/2023	ND	6.20	103	6.00	5.96	
Total BTEX	<0.300	0.300	02/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	02/14/2023	ND	432	108	400	0.00	
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	02/13/2023	ND	170	84.9	200	0.684	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	175	87.6	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



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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Celeg & Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Delivered By: (Circle One)	Relinquished By:	service. In no event shall Card affiliates or successors arising Relinquished By:	PLEASE NOTE: Liability and landyses. All claims including	6		20	710	1	H22000	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	200	Phone #:	City:	Address:	Project Manager:	Company Name:
	July 1	shall Cardinal be liable for incidental or consequence or arising out of or related to the performance of ed By:	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 applicable 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 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 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 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 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 analyses. All claims including this provides are considered and the second of the applicable and the second of the second of the applicable and the second of the second o	10 61 60	FS- 94 (6"	- 49 (FS- 65 (6")	- 40		Sample I.D.		7	Exting out	S8860 - OM	7.		-	Chestras Will	Carro Phillips
Observed Temp. °C 3.2	Time: 48 Rec	Date: Rec	's exclusive remedy for any claim a use whatsoever shall be deemed v					- 2	2 (1)	G)RAB OR (C)O			NM	Project Owner:	Fax #:	State: Zip:	a tetratech.		1.05
Sample Condition Cool Intact Yes Yes	Received By:	Received By:	arising whether based in contract waived unless made in writing and invitation, business interruptions, I		-				× 5	GROUNDWATE WASTEWATER SOIL DIL SLUDGE	_	\mathbf{L}	70	0	2 2	. >	COM	0.	
ion CHECKED BY: (Initials)	Markey	of whether such claim is based upon any of the above stated By:	or tort, shall be limited to the am I received by Cardinal within 30 o oss of use, or loss of profits incu		<				×	ACID/BASE: ICE / COOL OTHER:	PAROERA	1	Phone #:	State: Zip:	Address.	Attn: Christian	pany:	P.O. #:	BILL 10
Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	REMARKS:	Verbal Result: All Results are	ount paid by the client for the lays after completion of the armed by client, its subsidiaries,		1530	1500	1400	1320	0 1300 X	TIME		SAMPI ING				Lul	lech	1	
Time: Standard Rush D #113 The A 6°C	24-Hour TAT	t: ☐ Yes ☐ No re emailed. Please pro	plicable		4			-	×	Chloride BTEX TPH	5								1
		sona of otherwise. Verbal Result: ☐ Yes ☐ No Add'I Phone #: Verbal Results are emailed. Please provide Email address:																	
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C					0														



February 16, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/15/23 17:00.

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

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 22 (3') (H230722-01)

BTEX 8021B

DILX 0021D	ilig/kg		Allalyzed by. 311/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2023	ND	2.17	109	2.00	11.1	
Toluene*	<0.050	0.050	02/15/2023	ND	2.23	112	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/15/2023	ND	2.19	110	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/15/2023	ND	6.76	113	6.00	9.78	
Total BTEX	<0.300	0.300	02/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	200	99.8	200	0.450	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	187	93.4	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 02/15/2023 Sa

Received: 02/15/2023 Sampling Date: 02/15/2023
Reported: 02/16/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 23 (3') (H230722-02)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2023	ND	2.17	109	2.00	11.1	
Toluene*	<0.050	0.050	02/15/2023	ND	2.23	112	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/15/2023	ND	2.19	110	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/15/2023	ND	6.76	113	6.00	9.78	
Total BTEX	<0.300	0.300	02/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	200	99.8	200	0.450	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	187	93.4	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 24 (3') (H230722-03)

BTEX 8021B

DILX GOZID	mg/ kg		Analyzed by: 511/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.17	109	2.00	11.1	
Toluene*	<0.050	0.050	02/16/2023	ND	2.23	112	2.00	11.2	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.19	110	2.00	10.6	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.76	113	6.00	9.78	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	200	99.8	200	0.450	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	187	93.4	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 25 (3') (H230722-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/15/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/15/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/15/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 26 (3') (H230722-05)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/15/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/15/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/15/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/15/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/15/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 27 (3') (H230722-06)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 28 (3') (H230722-07)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	106 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 %	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 169 (4.5') (H230722-08)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	0.461	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	0.461	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	45.1	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	1260	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	190	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	117 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 168 (4.5') (H230722-09)

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	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/16/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	16.6	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	13.7	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	110 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 170 (4.5') (H230722-10)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	0.078	0.050	02/16/2023	ND	2.12	106	2.00	2.23	GC-NC1
Ethylbenzene*	0.198	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	3.88	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	4.15	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	200 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	222	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	3230	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	478	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	139 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 171 (4.5') (H230722-11)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	331	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	88.8	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 172 (4.5') (H230722-12)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	< 0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	460	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	86.3	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	115 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139 9	% 49.1-14	8						

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S-04



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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 173 (4.5') (H230722-13)

BTEX 8021B

DIEX GOZID	9	, kg	Andryzo	u by. 511					J 07
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	0.066	0.050	02/16/2023	ND	2.12	106	2.00	2.23	GC-NC1
Ethylbenzene*	0.186	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	3.49	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	3.74	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	197	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	265	10.0	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	3870	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	582	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	147	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	150	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 174 (4.5') (H230722-14)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	343	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	103	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 77 (0.5') (H230722-15)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	187	93.6	200	0.333	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	200	100	200	0.00400	
EXT DRO >C28-C36	10.2	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 84 (0.5') (H230722-16)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 83 (0.5') (H230722-17)

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	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	28.7	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	122 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 105 (0.5') (H230722-18)

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	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	12.9	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 112 (0.5') (H230722-19)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	10.6	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 114 (0.5') (H230722-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 10 (0.5') (H230722-21)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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02/15/2023

Analytical Results For:

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

(432) 682-3946

Received: 02/15/2023 Sampling Date:

Reported: 02/16/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 11 (0.5') (H230722-22)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 38 (0.5') (H230722-23)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.15	108	2.00	2.39	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	2.23	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.07	104	2.00	2.13	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.24	104	6.00	1.22	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 39 (0.5') (H230722-24)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.22	111	2.00	1.65	
Toluene*	<0.050	0.050	02/16/2023	ND	2.20	110	2.00	2.41	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.15	107	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.51	108	6.00	1.97	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 45 (0.5') (H230722-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.22	111	2.00	1.65	
Toluene*	<0.050	0.050	02/16/2023	ND	2.20	110	2.00	2.41	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.15	107	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.51	108	6.00	1.97	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 46 (0.5') (H230722-26)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.22	111	2.00	1.65	
Toluene*	<0.050	0.050	02/16/2023	ND	2.20	110	2.00	2.41	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.15	107	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.51	108	6.00	1.97	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/16/2023	ND	432	108	400	7.14	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	18						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 47 (0.5') (H230722-27)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.22	111	2.00	1.65	
Toluene*	<0.050	0.050	02/16/2023	ND	2.20	110	2.00	2.41	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.15	107	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.51	108	6.00	1.97	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 02/15/2023 Sampling Date: 02/15/2023

Reported: 02/16/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 132 (0.5') (H230722-28)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.22	111	2.00	1.65	
Toluene*	<0.050	0.050	02/16/2023	ND	2.20	110	2.00	2.41	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.15	107	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.51	108	6.00	1.97	
Total BTEX	<0.300	0.300	02/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/16/2023	ND	432	108	400	7.14	
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	02/16/2023	ND	207	104	200	2.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	209	104	200	0.233	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Notes and Definitions

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

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

interfering compounds.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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(0/0) 353		BILL TO	ANALYSIS REQUEST	1
Project Manager: Object Military	P.O. #:			
ction Iluli	Company:	: Tetra Tech		
	Zip: Attn:			_
Phone #: Fax #:	Address:			
Project #: 212C-UD-D2885 Project Owner:	city:			
ime: Poo Ro	State:	Zip:		
on: Eddy Co.	Phone #:			
AG J	Fax	1		
		ERV. SAMPLING	es	
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-		818		
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7 65 38 (31)		048		+
C EX-118(145)		850		-
600	4	\$ 2000	4	
DI EASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy to	sive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	e limited to the amount paid by the client for	or the the applicable	
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed wawou unsess more an increase of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service in the consequence of use of us	be deemed waved unless move in missing of use, of dee, of deep, of the deem to the deem of	loss of profits incurred by client, its subsidi-		
Relinquished By: Date: Date:	135 Received By:	All Results are	Verbal Result: Li res Li No Inversionale All Results are emailed. Please provide Email address:	
Relinquished By:	Received By:	REMARKS:		
Delivered By: (Circle One) Observed Temp. °C 2, C	Sample Condition Cool Intack Yes Yes Yes	CHECKED BY: Turnaround Tim (Initials) Thermometer ID Correction Factor	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C JUNY No Corrected Temp. °C	o o
00 K 3.307716/22	of cannot accent verbal changes. F	lease email changes to	Coordinal cannot accent verbal changes. Please email changes to celey keene@cardinallabsnm.com	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Delivered By: (Circle One) Sampler - UPS - Bus - Otl	Relinquished By:	Relinquished By:	PLEASE NOTE: Liability and Darnages analyses. All claims including those for service. In no event shall Cardinal be lia		-21 5/	122	15 F5.	14 F5-	123 60	12 FL	77	53 01	Lab I.D.	٦		Project Location: Eddu	Project Name: 800 (Project #: 212C-MD-02885	Phone #:		- "	-	Company Name: Cor
ne) Observed Temp. °C Other: Corrected Temp. °C	Date:	and a seing out of or related to the performance of services hereunder by a By: Date: A 15/73	Cardinal's liability and client's exclusive negligence and any other cause whats the for incidental or consequental dameters.	112	200	() () () ()	1	174(4.5)	4	72 4.5	17	170 (45)	Sample I.D.		-	dy Co NB	BOO Radley SIC CTB). 0 2885 Project Owner:	Fax #:	1	llwll	>	onaco Phillips
Sample Condition Cool_Intact Cool_Intact Pes No No No	Received By:	Received By:	or any claim arising whether based in contract of the deemed waived unless made in writing and redding without limitation, business interruptions, loss of the deemed waived unless made in writing and redding without limitation, business interruptions, loss of whether such claim is be	2									(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX	Fa	Ph	Str	City:	Ad	Zip: Attn:	Co	P.C	
CHECKED BY:	Talka Sic	Mi Vio	arising whether based in contract of tort, strail or arriance to the amount, pear of the water and the marked unless made in writing and received by Cardinal within 30 days after completion of the a water and the strain of the above strains, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the strain is the based upon any of the above stated reasonts or otherwise.	A L								x 2/15	ACID/BASE: ICE / COOL OTHER: DATE	PRESERV. SAMPLING	Fax #:	Phone #:	State: Zip:	y:	Address:	7.	Company: Tetrater	P.O. #:	DILL IO
Turnaround Time: Sta Thermometer ID #113 Correction Factor -0.8°C	REMARKS:	Verbal Result: ☐ Yes All Results are emailed. Ple	completion of the applicable int, its subsidiaries, ons or otherwise.	345 V		1325	1380	12.35	200	1200	115	1100 X X X	BTEX TPH Chlorides	NG									
Standard Bacteria (only Rush Cool Intact Pes Yes No No No		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:											Chloriacs				*						
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Corrected Temp. °C						-																	

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

101 East Marland, Hobbs, NM 88240

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(575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476			
Company Name:		BILL TO		ANALYSIS REQUEST
Project Manager:		P.O. #:		
Address:		Company:		
City:	State: Zip:	Attn:		
Phone #:	Fax#:	Address:		
Project #:	Project Owner:	City:		
Project Name:		State: Zip:		
Project Location:		Phone #:		
Sampler Name:		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAM	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE 3	BTEX TPH Chlorides	
FS-114	× ×	x 3/15	1400 X X X	
00 10 (0.5)			1420	
55-38 (1430	
F5-39			1445	
25 F5-45 (0.5)			1450	
al F5-46 (0.5)			1455	
47			1400	
0.00			1435 0 6	
PLEASE NOTE: Liability and Darmages. Cardinal's liability and analyses. All claims including those for negligence and any ot service. In no event shall Cardinal be liable for incidental or or	PLEASE NOTE: Lability 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 dit is 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 incidental cardinals or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incidental cardinals or consequental damages, including without limitation, business interruptions, loss of use, or loss of the advanced cardinal car	or tort, shall be limited to the amount perceived by Cardinal within 30 days af received by cardinal within 30 days af res of use, or loss of profits incurred by	aid by the client for the arcompletion of the applicable client, its subadilaries.	
Relinquished By:	ed By: Date 3/15/23 Received By:	11/100	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: rovide Email address:
Relinquished By:	Date: Received By:	(Mola Hall	REMARKS:	
	Time:			
	Observed Temp. °C A Sample Condition Corrected Temp. °C Yes Tyes	/3	RS	Bacteria (only) S Cool Intact Yes Yes
Sampler - UPS - Bus - Other:	Corrected Temp. "C / C Yes Yes Yes	40	Correction Factor -0.6°C	NC No Corrected Temp. °C



February 17, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/16/23 16:20.

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 137 (0.5') (H230747-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/17/2023	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	02/17/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	49.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 138 (0.5') (H230747-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	53.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	56.8	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 175 (2') (H230747-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/17/2023	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	02/17/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	68.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.2	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 180 (5') (H230747-04)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	64.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.5	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 181 (5') (H230747-05)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/17/2023	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	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	69.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 182 (5') (H230747-06)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/17/2023	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	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	65.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.2	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 183 (2') (H230747-07)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 184 (2') (H230747-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/17/2023	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	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	66.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 185 (2') (H230747-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	67.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 186 (2') (H230747-10)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	60.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 187 (5') (H230747-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/17/2023	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	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	64.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 188 (5') (H230747-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/17/2023	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	02/16/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/16/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/16/2023	ND					
Surrogate: 1-Chlorooctane	69.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 189 (5') (H230747-13)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/17/2023	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	02/17/2023	ND	182	90.8	200	6.26	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	184	91.8	200	0.778	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	53.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	54.4	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 176 (2') (H230747-14)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/17/2023	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	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	64.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.2	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 177 (2') (H230747-15)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	54.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.5	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 178 (2') (H230747-16)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	2.83	
Toluene*	<0.050	0.050	02/17/2023	ND	2.05	103	2.00	2.78	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.01	100	2.00	2.63	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.07	101	6.00	1.66	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	22.7	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 179 (5') (H230747-17)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	67.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: W SW - 1 (H230747-18)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

(432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: S SW - 1 (H230747-19)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	02/17/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: S SW - 2 (H230747-20)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	02/17/2023	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	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	70.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.4	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 91 (0.5') (H230747-21)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/17/2023	ND	432	108	400	3.77	QM-07
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	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	260	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	53.5	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 92 (0.5') (H230747-22)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	53.3	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	58.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.5	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 95 (0.5') (H230747-23)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	23.4	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	<10.0	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 96 (0.5') (H230747-24)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	147	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	24.7	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	48.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	58.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 122 (0.5') (H230747-25)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	161	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	32.9	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	71.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.4	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/16/2023 Sampling Date: 02/16/2023

Reported: 02/17/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 123 (0.5') (H230747-26)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	1.62	
Toluene*	<0.050	0.050	02/17/2023	ND	2.11	105	2.00	1.43	
Ethylbenzene*	<0.050	0.050	02/17/2023	ND	2.08	104	2.00	0.239	
Total Xylenes*	<0.150	0.150	02/17/2023	ND	6.27	104	6.00	0.859	
Total BTEX	<0.300	0.300	02/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/17/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/17/2023	ND	188	94.0	200	2.62	
DRO >C10-C28*	212	10.0	02/17/2023	ND	176	88.0	200	0.750	
EXT DRO >C28-C36	40.1	10.0	02/17/2023	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



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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Celeg D. Freene

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

Project Manager: Christam Uul	ANALTSIS REQUEST
Address: Christian, Illull etetratech.com company: TetraTech	
Fax #: Addre	
Project #: 2120- md - 02885 Project Owner: City:	
Project Name: Pop Rowlley CTB State: Zip:	
Project Location: Eddy Co. No.	
MATRIX	
AB OR (C)OMPINTAINERS UNDWATER TEWATER OGE ER: (BASE: COOL ER: 2003	
GI W SC OI SL OI DATE TIME	_
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(8')	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether hand in contract or foot shall be liability and Colon S. A. C.	4
dinal t	6
Received By: Verbal Result: All Results are em	☐ Yes ☐ No Add'I Phone #:
Time: 22 pm William William William are em	valled. Please provide Email address:
Remarks: Time:	
Delivered By: (Circle One) Observed Temp. °C 3, 9 Sample Condition CHECKED BY: Turnaround Time: Standar (Initials) Cool Mact (Initials) Thermometer ID #113	<u>ω</u>

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

101 East Marland, Hobbs, NM 88240

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	(575) 393-2326 FAX (575) 393-2476		
Company Name: has co Phi	=	BILL TO	ANALYSIS REQUEST
Project Manager: Omistion	Livil	P.O. #:	
Address: Christon, Ilul	1) e tetratech. com	Company: Tetrated	\$
City:	State: Zip:	Attn: Christon [114
Phone #:	Fax#:	Address:	
Project #: 2120-Md-02885		City:	
6	B	State: Zip:	
Eddu	o. NW	Phone #:	do
Sampler Name: A6		Fax #:	so i
FOR LAB USE ONLY	MATRIX	ESERV.	SAMPLING
Lab I.D. Samp	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH Chrio C BTEX
-187	_	x a)16	Single Si
13 FS-189 (1)	20,		0.00
-176	9.)		19015
16 55- 78/2			11:00
17 85-139 6			11:15
3			[Se :]
20 SSW-2	2	*	1 C C C C C C C C C C C C C C C C C C C
PLEASE NOTE: Lability and Damages. Cardinal's liability and plantages. Cardinal's liability analyses. All claims including those for negligence and a service. In no event shall Cardinal be liable for incidental asservation.	nd clie other o	of or tort, shall be limited to the amount pa nd received by Cardinal within 30 days after, loss of use, or loss of profits incurred by	ad by the client for the the completion of the applicable client, its subsidiaries,
Relinquished By: Relinquished By:	Date: Received By: Verbal Res All Results Date: Received By: Received By: Remarks	Maken	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3,9 Sample Condition Cook Intact Corrected Temp. °C 3, 3 Yes	(Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.5°C AUMCS. No Corrected Temp. °C

Chloride

E

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

200

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Page 31 of 31

Standard

Cool Intact

Bacteria (only) Sample Condition

Observed Temp. °C Corrected Temp, °C

ON O

Add'l Phone #:



February 20, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/17/23 14:30.

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

Cardinal Laboratories is 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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 3 (H230761-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 4 (H230761-02)

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	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: SSW - 5 (H230761-03)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/20/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 2 (H230761-04)

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	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	18.9	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 3 (H230761-05)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: NSW - 20 (H230761-06)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	< 0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	38.6	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	19.7	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: NSW - 19 (H230761-07)

RTFY 8021R

BIEX 8021B	mg/kg		Anaiyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: NSW - 18 (H230761-08)

BTEX 8021B

DILX GOZID	mg/ kg		Andryzo	Alluly2cu by: 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/20/2023	ND	416	104	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	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: NSW - 11 (H230761-09)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: NSW - 6 (H230761-10)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	20.2	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: NSW - 5 (H230761-11)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	112	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	23.3	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

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Analytical Results For:

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

Received: 02/17/2023 Sampling Date: 02/17/2023

Reported: 02/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: NSW - 4 (H230761-12)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/18/2023	ND	2.06	103	2.00	0.972	
Toluene*	<0.050	0.050	02/18/2023	ND	2.05	102	2.00	4.13	
Ethylbenzene*	<0.050	0.050	02/18/2023	ND	2.04	102	2.00	3.08	
Total Xylenes*	<0.150	0.150	02/18/2023	ND	6.16	103	6.00	1.46	
Total BTEX	<0.300	0.300	02/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/20/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2023	ND	200	99.9	200	0.0891	
DRO >C10-C28*	<10.0	10.0	02/18/2023	ND	188	93.8	200	0.210	
EXT DRO >C28-C36	<10.0	10.0	02/18/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

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

accepted based on LCS and/or LCSD recovery and/or RPD values.

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. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Sales Comment	1 10	מודר ום	,		ANALYSIS REDIEST
roject Manager: Chrishim Luli	u[]	P.O. #:			THE COLUMN TWO IS NOT
iddress: Christian []ull	christian. Milletetration, com	Company: TetraTech	ech		
ity:	State: Zip:	notion	Uall		
hone #:	Fax #:			_	
roject #: 212c-mal-02885	SS Project Owner:	City:			
roject Name: Boo Radley	alc CTB	State: Zip:			
My		#			
ampler Name: AG		Fax #:			
OR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING		
	(C)OMP ERS		des		
[230 76]	(G)RAB OF # CONTAIN GROUNDV WASTEWA SOIL	SLUDGE OTHER: ACID/BASE CE/COOL OTHER: DATE	Marie Chlori	TPH BTEX	
1. SSW-3	8 - X	×	-	×	
SSW			-		
0. VSW - 5			346		
5 WSW - 3			1000		
6 NSW-20			1030		
ZXX			1045		
8 - MSN ×	1		1100		
			1115		
ASE NOTE: Liability and Damages. Cardinal's liability an see. All claims including those for negligence and any of	ASE NOTE: Liability and Darnages. Cardinal's liability and client's exclusive remedy for any client aring whether based in contract or fort, shall be limited to the amount paid by the client for the	tract or tort, shall be limited to the amount pe	1130 4	+	
28. In no event shall Cardinal be liable for incidental or consides or successors arising out of or related to the performance of the control of the performance of the control of the	consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incured by client, its subsidiaries among of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or oftended.	ons, loss of use, or loss of profits incurred by laim is based upon any of the above stated r	client, its subsidiaries, easons or otherwise.		
)	Received By:	11/11	Verbal Result:	☐ Yes ☐ No Ad	Add'l Phone #:
ellian John	300	Midakar	All Results are emailed.	d. Please provide Email address:	Email address:
myweirou by.	Time: Received By:		REMARKS:		
livered By: (Circle One) mpler - UPS - Bus - Other:	Observed Temp. °C 4, Sample Condition Cool finact Corrected Temp. °C 3. Aves Aves	dition CHECKED BY: (Initials) Yes	Turnaround Time: Thermometer ID #113	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Page 15 of 16

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name:				
-	- =	BILL TO		ANALYSIS REQUEST
. 11	% CIA!!	P.O. #:		
:SS9	Christians. Ilullo tetratech, con	Company: Total lech	ech	
City:	State: Zip:	Attn: Christian	Clui	
	Fax#:	Address:		
S		City:		
Project Name: Bookadey	lley all CTB	State: Zip:		
Project Location: Eddy Co. N.M.	CO. NAM	*		
Sampler Name: N		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	
Lab I.D. San #230 76/	OIL	SLUDGE OTHER: ACID/BASE: CE / COOL OTHER:	Chloride TPH BTEX	
1 NSW- 5		× 1	+	
12 NSW-4	*		X	
PLEASE NOTE: Liability and Damages. Cardinal's liab analyses. All claims including those for negligence and service. In no event shall Cardinal be liable for incident	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 service. In no event shall Cardinal be liable for incidental or consequential damages, including whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limited by the client for the applical	act or tort, shall be limited to the amount p	aid by the client for the terromagnetic for the completion of the applicable	
Relinquished By: (AUI) Ouc Relinquished By:	Time: 30	m is based upon any of the above stated	lt: ☐ Yes ☐ No re emailed. Please prov	Add'l Phone #: ide Email address:
			REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4,/ Sample Condition Cool Infact Corrected Temp. °C 3, S No No	tion CHECKED BY: (Initials) es	Turnaround Time: Standard Thermometer ID #113	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
	† Cardinal cannot accent verbal cha	Planta Planta III		LI NC II No Corrected Temp. °C



February 22, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/21/23 16:25.

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023
Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 2 (1') (H230820-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	02/22/2023	ND	416	104	400	3.92	
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	02/21/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 3 (1') (H230820-02)

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	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	02/22/2023	ND	416	104	400	3.92	
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	02/21/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 4 (1') (H230820-03)

BTEX 8021B

	٠,			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/22/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 5 (1') (H230820-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 6 (1') (H230820-05)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 7 (1') (H230820-06)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 8 (1') (H230820-07)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 12 (1') (H230820-09)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 13 (1') (H230820-10)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 14 (1') (H230820-11)

BTEX 8021B

DIEX 6021B	ilig	/ kg	Allalyze	u by. Jn					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 15 (1') (H230820-12)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 16 (1') (H230820-13)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 17 (1') (H230820-14)

BTEX 8021B

		<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.12	106	2.00	1.53	
Toluene*	<0.050	0.050	02/22/2023	ND	2.08	104	2.00	2.08	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.00	100	2.00	1.23	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.09	102	6.00	0.690	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/20/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 18 (1') (H230820-15)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 19 (1') (H230820-16)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 20 (1') (H230820-17)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 21 (1') (H230820-18)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 29 (1') (H230820-19)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 30 (1') (H230820-20)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 31 (1') (H230820-21)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 51 (1') (H230820-22)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	71.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 52 (1') (H230820-23)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 53 (1') (H230820-24)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	02/22/2023	ND	400	100	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 54 (1') (H230820-25)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/22/2023	ND	400	100	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	02/21/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/21/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/21/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 55 (1') (H230820-26)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 56 (1') (H230820-27)

BTEX 8021B

	<u> </u>			· , - ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 57 (1') (H230820-28)

BTEX 8021B

	9/	9	7	1 1 ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	76.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 58 (1') (H230820-29)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 78 (1') (H230820-30)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 79 (1') (H230820-31)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 80 (1') (H230820-32)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 81 (1') (H230820-33)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 82 (1') (H230820-34)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.07	103	2.00	8.93	
Toluene*	<0.050	0.050	02/22/2023	ND	2.05	102	2.00	7.04	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	2.02	101	2.00	7.87	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.05	101	6.00	7.98	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	64.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 106 (1') (H230820-35)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Analyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	72.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 107 (1') (H230820-36)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 108 (1') (H230820-37)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 109 (1') (H230820-38)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	188	94.1	200	1.21	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	187	93.6	200	0.291	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 110 (1') (H230820-39)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	18						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 186 (5') (H230820-40)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	204	102	200	0.741	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	191	95.7	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 169 (6') (H230820-42)

BTEX 8021B

DIEX GOZID	ıııg,	ng .	Alldiyac	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/22/2023	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 170 (6') (H230820-43)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	< 0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/22/2023	ND	400	100	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	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 171 (6') (H230820-44)

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	71.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 172 (6') (H230820-45)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	23.1	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 173 (6') (H230820-46)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	410	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	71.9	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/21/2023 Sampling Date: 02/21/2023

Reported: 02/22/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 174 (6') (H230820-47)

BTEX 8021B

DILX GOZID	1119/	<u>ng</u>	Allulyzo	u by. 311/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2023	ND	2.24	112	2.00	11.8	
Toluene*	<0.050	0.050	02/22/2023	ND	2.37	119	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.7	2.00	2.40	
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.08	101	6.00	3.24	
Total BTEX	<0.300	0.300	02/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/22/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2023	ND	191	95.3	200	4.17	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	189	94.3	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

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Notes and Definitions

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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

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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Par 4 P

PORM-000 N 3.3 UTTOIL	Sampler UPS - Bus - Other:		Relinquished By:	Je K	Relinquished By:	ervice. In no event shall Cardina efficies or successors arising out	analyses. All claims including the	PLEASE NOTE: LIAMBY and Da	52	38	37	36	35	25	33	32	3/	Lab I.D. #236820	CALL CALL	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	
+	One) Observed Temp. °C		Date:	Time:	Date:	t of or related to the performance of services he	se for negligence and any other cause whatso	FS-186 (51)	FS-110 (1')	FS-109(1)	FS-108 (1')	FS-107 (1)	FS-106 (1)	F5-82 (1)	FS-81 (11)	FS-80 (1')	FS-79 (11)	Sample I.D.		I		Boo Rodey 210	Proje	Fax#:	State:			COS	(575) 393-2326
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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REC

Page 5 of 5

FORM-000 N 3.3 07	Sampler UPS - Bus - Oti	Relinquished By:	de de	Relinquished By:	analyses. All claims including those for reervice. In no event shall Cardinal be lia	PLEASE NOTE: Liability and Damages		1	76	3	#	43	22	41	Lab I.D. H230 820	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: 1800	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:
† Cardinal c	Other: Corrected Temp. °C	Time:	1 mg: 35	Date:	negligence and any other cause whatsoever shall be ble for incidental or consequental damages, including the first and the contract of services becaused by	Cardinal's liability and client's exclusive remedy for		(3) [() -()	1	174	11-1	-170	18-169 (6')	FS-168(6')	Sample I.D.		되	Pho	20 Radley AIC CTS	Project Owner:	Fax#:	State:			(5/5) 393-2326 FAX (5/5) 393-24/6
Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnin.com	Sample Condition Cool Intact Pres Pres I No Pres No Pre		DANNING	Received By;	deemed waived unless made in writing and rec g without limitation, business interruptions, loss Cardinal recardless of whether such claim is to	any claim arising whether based in contract or to								G - Xx	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX			9			Zip: A	0		2476
es. Please email chan	CHECKED BY: (Initials)		White he	Cast Dorme salone and the local popular	aived by Cardinal within 30 days after of use, or loss of profits incurred by dis-	ort, shall be limited to the amount paid	1							× 2-21	ACID/BASE:	PRESERY. SAMPLING	Fax#:	Phone #:	State: Zip:	City:	Address:	neis	Company: TE	P.O. #:	BILL TO
ges to celey.k	Turnaround Time: Thermometer ID #11 Correction Factor -0.	KEMAKKS:	3	Verbal Result:	completion of the applicant, its subsidiantes,	paid by the client for the		1000	0200	0440	0450	0600	0910	0900 ×	BTEV	LING						tull .			
(eene	me: #113 r -0.5°C	he	emaile	ПΥ	able	F		(×	TPH										
cardinalla	Standard Rush	24-Hour Rush	1. Please pr	es 🗆 No				•					-	×	Chloridas										
bsnn		Rush	ovide E	Add		F																			ANA
	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C		nail address:	☐ Yes ☐ No Add'l Phone #:													,								ANALYSIS REQUEST
	ample Condition Observed Temp. °C Corrected Temp. °C																								31



February 27, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/24/23 9:20.

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

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023 Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 1 (4.5') (H230866-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Kreene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 3 (2') (H230866-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 6 (2') (H230866-03)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 7 (2') (H230866-04)

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	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 8 (3') (H230866-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keens



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 13 (2') (H230866-06)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 16 (2') (H230866-07)

BTEX 8021B

DIEX GOZID	ıng,	, kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 17 (2') (H230866-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 18 (2') (H230866-09)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 173 (6.5') (H230866-10)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 83 (1') (H230866-11)

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	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 75 (1') (H230866-12)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 103 (1') (H230866-13)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 111 (1') (H230866-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/24/2023	ND	400	100	400	3.92	
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	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 138 (1') (H230866-15)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/23/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 139 (1') (H230866-16)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2023	ND	2.06	103	2.00	0.379	
Toluene*	<0.050	0.050	02/24/2023	ND	1.99	99.4	2.00	0.882	
Ethylbenzene*	<0.050	0.050	02/24/2023	ND	1.92	95.9	2.00	0.411	
Total Xylenes*	<0.150	0.150	02/24/2023	ND	5.87	97.9	6.00	0.527	
Total BTEX	<0.300	0.300	02/24/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/24/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/24/2023	ND	195	97.7	200	6.02	
DRO >C10-C28*	<10.0	10.0	02/24/2023	ND	169	84.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/24/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



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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Celeg D. Freene

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

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 39	(575) 393-2326 FAX (575) 393-2476	476		,	
Company Name:	P		BILL TO	AN	ANALYSIS REQUEST
Project Manager: Chy	bristian Uull	P	P.O. #:		
Address: Christian.	in. IIvil@tetrat	ech.com	Company: Etra	ech	
City:		Zip:	Attn: Christian	Lioil	_
Phone #:	Fax #:	Ac	Address:		
Project #: 2120 - MD-	-02885 Project Owner:		City:		
Project Name: Beo R	Radley 216 CT	B	State: Zip:		
Project Location: Edd	y County, New	Mexico	Phone #:		
Sampler Name:	DEME O'	0	Fax #:	25	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D. S	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	BTEX TPH Chlori	
	FS-1 (4.5)	- ×	× 2-23	1030 X X X	
CU S	00			1040	
	-			1045	
SF	5-8 (31)			(050	
6	5-13 (8")			1055	
27	5-16 (3.)			8	
20	(-18 (9.)				
		VV	*	1120 V V V	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remody for any claim assing whether based in contract or fort, shall be limited to the amount paid by the client of 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 spiricable service. In no event shall Cardinal be liable for incidental or consequental damages, including whose for substitutions, business interruptions, loss of use, or loss of profits incurred by client, its substitutions, affiliates or successors arising and or mailed in the parformance of sendons because the familiar based upon any of the above stated reasons or otherwise.	Cardinal's liability and client's exclusive remedy for any claim aising with realizable control of the realizable control of the realizable control of the realizable control of the realizable consequential damages, including without limitation bile for incidental or consequential damages, including without limitation bile for incidental or consequential damages, the control of sendons hereumder by Cardinal repartite talled in the neutron of sendons hereumder by Cardinal repartite.	he were remedy for any claim assing whether based in contract or bot, shall be limited to the we remedy for any claim assing whether based in contract or bot, shall be directed walved unless made in writing and received by Cardinal within its mages, including without limitation, business interruptions, loss of use, or loss of profits in havourder by Cardinal recardings of whether such claim is based upon any of the abo	hether based in contract or tort, shall be limited to the amount paid niess made in writing and received by Cardinal within 30 days after these made in writing and received by Cardinal within a days business interruptions, loss of use, or loss of profits incurred by cit, so of whether such claim is based upon any of the above stated res	arnount paid by the client for the 30 days after completion of the applicable nocurred by client, its subsidiaries, we stated reasons or otherwise.	
bed By	Date:	4-33 Received By:	- 0	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: de Email address:
Relinquished By:	Date:	Received By:	Campen.	REMARKS: 24 hr Rush	٥
Delivered By: (Circle One)			CHECKED BY: (Initials)	Turnaround Time: Standard Kush	
Sampler - UPS - Bus - Other:	r: Corrected Temp. °C Q. 3	□ Ye		Thermometer ID #113 Correction Factor -0.6°C	□ Yes □ Yes □ No

Relinquished By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C Corrected Temp. °C 0, 3

Time: Date:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240

(575) 393-2326 F	(575) 393-2326 FAX (575) 393-2476		
Company Name:		BILL TO	ANALISIS NEGOCO
Project Manager: Christian	W LIGHT	P.O. #:	
Address: Christian Wol	bristian. Hull@tetratech.com	Company: Tetra Tech	5
	State: Zip:	Attn: Christian Lu	
Phone #:	Fax#:	Address:	
717 C-	MD - 0289Project Owner:	City:	
3	ZIC CTB	State: Zip:	
ddu (odnita New Mexico	Phone #:	
TI		Fax #:	
Sampler Name:	MATRIX	l	
FOR LAB USE ONLY	RS TER R		EX
Lab I.D. Sample I.D.	G)RAB OR (G) CONTAINED GROUNDWA'NASTEWATE GOIL	SLUDGE OTHER: ACID/BASE: CE/COOL OTHER:	TIME BT
58-23	(·)	x 2-25	25 X X X
12 55-7	(1)	-	100
375	03(1)		40
	0(1)		45
16 FS-13	139 (11) VV	4	50 4 4
	client's exclusive remedy for any claim arising whether based in	contract or tort, shall be limited to the amount paid by the	e client for the policable present and the property of the policable p
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 whatsoewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the at analyses. All claims including those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the at	her cause whatsoever shall be deemed waived dilless lillade in	fining and received by client i	a sulusidistra,
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 peak 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 20 days after completion of the applicable 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 20 days after completion of the applicable analyses. All claims is not offer to be liable for incidental or consequential demanges, including white initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, services in no event shall Cardinals be liable for incidental to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or cliency and the complete of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or cliency.	analyses. All claims including these for negligence and any other clause whitascover statill no enter the statil no enter the statill no enter the statill no enter the statill no enter the statill not enter the statill not enter the statill cardinal be liable for incidental or consequential demanges, including wellows business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequential demanges, including wellowed limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be liable for incidental or benefit and an analysis of the state of th	uptions, loss of use, or loss of profits incurred by client, loss of use, or loss of profits incurred by client, in the labove stated reasons children is based upon any of the above stated reasons.	ons, as advancement, otherwise. Ves No Add'l Phone #:
PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any of	her cause whatsoever shall be deemed waived dilless lillade in	- 2	Some loss of less of loss of profits including by client.

Thermometer ID #113 Correction Factor -0.5°C

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

XX

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

REMARKS: 24-br Rush



February 27, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/24/23 16:24.

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

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 126 (2') (H230879-01)

BTEX 8021B

DILX 0021D	ilig	/ Ng	Allalyze	a by. 311/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 145 (2') (H230879-02)

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	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	83.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 146 (2') (H230879-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 149 (2') (H230879-04)

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	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 150 (2') (H230879-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 151 (2') (H230879-06)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 160 (2') (H230879-07)

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	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 161 (2') (H230879-08)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	0.475	
Toluene*	<0.050	0.050	02/25/2023	ND	2.03	101	2.00	1.91	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.00	99.9	2.00	1.94	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	6.05	101	6.00	2.21	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 162 (2') (H230879-09)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.04	102	2.00	6.16	
Toluene*	<0.050	0.050	02/25/2023	ND	2.19	110	2.00	4.00	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.34	117	2.00	4.02	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	7.08	118	6.00	3.96	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/27/2023	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	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 45 (1.5') (H230879-10)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.04	102	2.00	6.16	
Toluene*	<0.050	0.050	02/25/2023	ND	2.19	110	2.00	4.00	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.34	117	2.00	4.02	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	7.08	118	6.00	3.96	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 46 (1.5') (H230879-11)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.04	102	2.00	6.16	
Toluene*	<0.050	0.050	02/25/2023	ND	2.19	110	2.00	4.00	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.34	117	2.00	4.02	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	7.08	118	6.00	3.96	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 64 (1.5') (H230879-12)

BTEX 8021B

DILX GOZID	iiig/	- Kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.04	102	2.00	6.16	
Toluene*	<0.050	0.050	02/25/2023	ND	2.19	110	2.00	4.00	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.34	117	2.00	4.02	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	7.08	118	6.00	3.96	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/24/2023 Sampling Date: 02/24/2023

Reported: 02/27/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 66 (1.5') (H230879-13)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/25/2023	ND	2.04	102	2.00	6.16	
Toluene*	<0.050	0.050	02/25/2023	ND	2.19	110	2.00	4.00	
Ethylbenzene*	<0.050	0.050	02/25/2023	ND	2.34	117	2.00	4.02	
Total Xylenes*	<0.150	0.150	02/25/2023	ND	7.08	118	6.00	3.96	
Total BTEX	<0.300	0.300	02/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/27/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2023	ND	194	97.2	200	0.965	
DRO >C10-C28*	<10.0	10.0	02/25/2023	ND	185	92.5	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	02/25/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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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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Celeg & Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	V				
Project Manage			BILL 10		ANALYSIS REQUEST
1	Christian Livil		7.0.#:		
000.	Christian Hall (a) tetratech. Com	COM	Company: WWW	4	
City.	State:	Zip:	Attn: Christian	Light	
Phone #:	Fax #:		Address:		
Project #: 212	Project #: 2126- MD-02885 Project Owner:	ñ	City:		
Project Name:	BOO Raddey DIC CTB		State: Zip:		
Project Location:	Eddy County	Mexico	Phone #:		
Sampler Name:	Ramos 1	100000	Fax #:		
FOR LAB USE ONLY	- 1	MATRIX	ESERV.	SAMPLING	
		RS TER			
Lab I.D.	Sample I.D.	G)RAB OR (C) # CONTAINER GROUNDWAT WASTEWATE SOIL DIL SLUDGE	OTHER: ACID/BASE: CE/COOL OTHER:	BTEX TPH Chlori	
_	FS-126 (21)	_ ×	× 1	10:30 x x	
M d.	F5-145 (2)	-	-	04:01	
4	ナート			3 3	
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16	FS-151(2)			1:30	
0 -	(7) (91)			11.30	
200	ES-162 (2)			30 S	
LEASE NOTE: Liability and	(0) F5 - H5 (1,51) V		∀	12:00 V V V	
nalyses. All claims including invice. In no event shall Care fliates or successors arising	those for negligence and any oth final be liable for incidental or co- out of or related to the performa-	come a successor seniosy on any ciam aissag whether cased in contract of tort, shall be limited to the amount, et cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days a teaquental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by the of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated to diservices hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated to diservices hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated to diservices hereunder by Cardinal, regardless of whether such claims.	arsang whether based in contract of tort, shall be limited to the amount paid by the client for the weived unless made in writing and received by Cardinal within 30 days after completion of the a limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, regardless of whether such claim is based upon any of the above stand mecno or officewise.	d by the client for the r completion of the applicable from the subsidiaries.	
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d By: (C		4:	CHECKED BY:	Turnaround Time: Standard	☐ Bacteria (only) S
FORM-000 N	PORMITODO R 3.3 07/18/22 Corrected Temp. °CA - 82		X	Thermometer ID #113 Correction Factor -0.6°C	_ 8
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Sample I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER VAIDGE OTHER: ACID/BASE: ICE / COOL OTHER: 2/24/	Sample I.D. Sample I.D. (C) OMP. #5-64 (1:5') G) RAB OR (C) OMP. # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER VASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: CCE / COOL OTHER: ACID/BASE: ACID/B	(G)RAB OR (C)OMP. (G)RAB OR (C)	Company Name: Co	me: Cop ager: Christian LIVII State: Zip: Fax #: 12C-MD-02885 Project Owner: e: Boo Rodley 21C CTB et addy County New Mexico ne: Iven Ramas
G)RAB OR (C)C # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	(1.5°) (G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER X SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Date: Received By: Received By: CODE CODE CODE CODE	Radi	project C
-66 (1.5') -64 (1.5')	-46 (1:5') 6 X 2/24	Time: Date: Date: Time: Ti	Ø	ample I.D.
-66	S - (66 (165)) Gran's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount	final's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount pence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days or incidental or consequential damages, including without initiation, business interruptions, loss of use, or loss of profits incurred to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above state. Time: Time: Received By: Received By:	171 1	2-46 (1.5.)
	rdinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amou	ridinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount in genero and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days to for incidental or consequental damages, including without inmitiation, business interruptions, loss or law, or loss of profess incurred to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated Date: Time: Time: Pate: Received By: Received By:	100	99-
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February 28, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/27/23 16:25.

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

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 167 (1.5') (H230913-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/28/2023	ND	416	104	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	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	104 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 166 (1.5') (H230913-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/28/2023	ND	416	104	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	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 165 (1.5') (H230913-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/28/2023	ND	416	104	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	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 164 (1.5') (H230913-04)

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	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/28/2023	ND	416	104	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	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 155 (1.5') (H230913-05)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	12.7	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 156 (1.5') (H230913-06)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 157 (1.5') (H230913-07)

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	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/28/2023	ND	416	104	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	02/27/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/27/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/27/2023	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 154 (1.5') (H230913-08)

RTFY 8021R

B1EX 8021B	mg,	r Kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Cardinal Laboratories

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 153 (1.5') (H230913-09)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 140 (1.5') (H230913-10)

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	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	52.2	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	6 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 141 (1.5') (H230913-11)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	45.2	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 142 (1.5') (H230913-12)

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	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	47.2	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 136 (1.5') (H230913-13)

RTFY 8021R

B1EX 8021B	mg,	rkg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	186	93.2	200	0.908	
DRO >C10-C28*	33.2	10.0	02/28/2023	ND	200	100	200	0.195	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 135 (1.5') (H230913-14)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	34.2	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 134 (1.5') (H230913-15)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	35.2	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 133 (1.5') (H230913-16)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	36.8	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 68 (2') (H230913-17)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit 0.050 0.050 0.050 0.150	Analyzed 02/27/2023 02/27/2023 02/27/2023	Method Blank ND ND ND ND	BS 2.08 2.00	% Recovery 104 100	True Value QC 2.00 2.00	RPD 0.870	Qualifier
<0.050 <0.050 <0.150	0.050 0.050 0.150	02/27/2023	ND				0.870	
<0.050 <0.150	0.050 0.150	02/27/2023		2.00	100	2.00		
<0.150	0.150		ND			2.00	1.93	
			ND	1.95	97.5	2.00	1.49	
<0.300		02/27/2023	ND	5.94	99.0	6.00	1.66	
	0.300	02/27/2023	ND					
101	% 71.5-13	4						
mg,	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
432	16.0	02/28/2023	ND	416	104	400	0.00	
mg,	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
<10.0	10.0	02/28/2023	ND					
02.0	% 48.2-13	4						
93.9								
	Result 432 mg/ Result <10.0 <10.0 <10.0	### A32 16.0 ### Mag	Result Reporting Limit Analyzed 432 16.0 02/28/2023 mg/kg Analyzer Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 432 16.0 02/28/2023 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 432 16.0 02/28/2023 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 432 16.0 02/28/2023 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 432 16.0 02/28/2023 ND 416 104 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 432 16.0 02/28/2023 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Celey D. Keine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 61 (2') (H230913-18)

BTEX 8021B

DIEX 8021B	ilig/kg		Analyzeu By. Jii						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 62 (2') (H230913-19)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 63 (2') (H230913-20)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.08	104	2.00	0.870	
Toluene*	<0.050	0.050	02/27/2023	ND	2.00	100	2.00	1.93	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	1.95	97.5	2.00	1.49	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	5.94	99.0	6.00	1.66	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 122 (2') (H230913-21)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	63.4	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 123 (2') (H230913-22)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	42.3	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 96 (2') (H230913-23)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 89 (2') (H230913-24)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 91 (2') (H230913-25)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 92 (2') (H230913-26)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 71 (2') (H230913-27)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 70 (2') (H230913-28)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 50 (2') (H230913-29)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 49 (2') (H230913-30)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 48 (2') (H230913-31)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 47 (2') (H230913-32)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	40.0	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 59 (2') (H230913-33)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	236	118	200	7.42	
DRO >C10-C28*	56.4	10.0	02/28/2023	ND	227	113	200	9.79	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 60 (2') (H230913-34)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/27/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/27/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/27/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/27/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	21.6	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/27/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 32 (2') (H230913-35)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	28.1	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 29 (2') (H230913-36)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 52 (2') (H230913-37)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 20 (2') (H230913-38)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/28/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 53 (2') (H230913-39)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 02/28/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050		02/28/2023	ND					
	0.050		ND	2.07	104	2.00	5.23	
0.050	3.330	02/28/2023	ND	2.06	103	2.00	4.28	
<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
<0.300	0.300	02/28/2023	ND					
106 9	% 71.5-13	4						
mg/	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
624	16.0	02/28/2023	ND	416	104	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
<10.0	10.0	02/28/2023	ND					
88.7	% 48.2-13	4						
101 9	% 49.1-14	8						
	<0.300 106 9 mg/ Result 624 mg/ Result <10.0 <10.0 <88.7	<0.150 0.150 <0.300 0.300 106	<0.150	<0.150 02/28/2023 ND 106 % 71.5-134 The standard of	<0.150	<0.150 0.150 02/28/2023 ND 6.18 103 <0.300 0.300 02/28/2023 ND 6.18 103 106 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	<0.150 0.150 02/28/2023 ND 6.18 103 6.00 106 % 71.5-134 Meghy Analyzed By: AC Result Result Init Analyzed Method Blank BS % Recovery True Value QC Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 02/28/2023 ND 207 103 200 < 10.0	<0.150

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 51 (2') (H230913-40)

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	02/28/2023	ND	2.07	104	2.00	5.23	
Toluene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	4.28	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.03	102	2.00	3.56	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.18	103	6.00	4.44	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 19 (2') (H230913-41)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	02/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 30 (2') (H230913-42)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 2 (2') (H230913-43)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/27/2023 Sampling Date: 02/24/2023

Reported: 02/28/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 21 (2') (H230913-44)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.11	106	2.00	0.670	
Toluene*	<0.050	0.050	02/28/2023	ND	2.05	103	2.00	0.548	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	0.895	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.07	101	6.00	1.23	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/28/2023	ND	416	104	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	02/28/2023	ND	207	103	200	2.95	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	221	110	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Notes and Definitions

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

accepted based on LCS and/or LCSD recovery and/or RPD values.

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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Relinquished By

Sampler JUPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C Corrected Temp. °C 3.9

Time:

Received By:

Received By:

Relinquished By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of S

101 East Marland, Hobbs, NM 88240	Laboratories	CARDINAL

Company Name:			DIII T	3			NAL YOU DECLIEDS
Project Manager:	Charter (Lill	7	P.O. #:		+		NINC I SIGN PLANT
Address:	10	COH	Company: Teto	Terb	_		
City:	State:	Zip:	3	Chall			
Phone #:	Fax #:	A	Address:		_		
Project #: 3120	313C-H1)-04885 Project Owner:		City:				
Project Name:	Box Radloy AIC C.	S	State: Zip:				
Project Location:	FA	9	Phone #:				
Sampler Name:	Joe The	71	Fax #:		_		
FOR LAB USE ONLY	Q	MATRIX	ESERV.	SAMPLING	_		
Lab I.D. H230913	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	TIME	BTEX	Chlorides	
1	FS-167 (LS')	*	×	7 0906	×	×	
ىك	FS-166 (1.5.)			0900	_		
Cu	FS-165 (1.5')			095			
h	FS-164 (1.51)			0986			
S	FS-155 (1.5°)			2030			
6	1-3-156 (1.5')			0940			
1	15-157 (151)			0985			
d	0			1000			
a	FS-153 (1.5°)			200			
10	FS-140 (1.5')	₩	4	1010	4	<	

Cool Initact

Yes Tyes

No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

Standard Rush

REMARKS:

24- How rush

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

O No

Add'l Phone #:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

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

Company Name:	900			BILL TO		AN	ANALYSIS REQUEST	JEST
roject Manager:	2			P.O. #:			_	
Address:				Company: 76		_		
City:		State:	Zip:	Attn: el		_	_	
Phone #:		Fax #:		Address:				
Project #:		Project Owner:		City:				
Project Name:	Boo Radley	ALC CIB		State: Zip:			_	
Project Location:				Phone #:				
Sampler Name:	9			Fax #:				
FOR LAB USE ONLY			MATRIX	PRESERV. SAM	SAMPLING			
Lab I.D.	Sample I.D.	J.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTEX	TPH Chloridas		
11	FS-141	(1.5.1)	×	×	1030 X	X		
12	KS-142	(1.5.)			1030			
13	FS-136	(121)			1035			
14	FS-135	1			1040			
15	FS-134	(1.5.)			1050			
16	FS-133	(1.5.)			1100			
17	FS-68	(2.)			1105			
18	13-61	(3)			1110			
19	FS-62	(3.)			1120			
N EASE NOTE: Liability and Damages		(a))	ry claim arising whether based in contract	or tort, shall be limited to the amount pa	1130 V	4		
nalyses. All claims including the ervice. In no event shall Cardin officiates or successors arising out.	ability and Damages. Cardinats liability an including those for negligence and any or shall Cardinal be liable for incidental or or salated to the parform	nd chent's exclusive remedy for a other cause whatsoever shall be consequental damages, including pance of services becauder by C	TLEASE NOTE: Lebbiny and barriages. Catomas statiny and clients secousave remote your amount and array whetere based in contract or took, statill be attended to the attended to the attended by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal the fable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, the consequent and the profits of the profits incurred by client, its subsidiaries, the consequent and the profits of the profits	or rort, shall be annied to the annount put freceived by Cardinal within 30 days aft oss of use, or loss of profits incurred by is based upon any of the above stated or	or by the client for the applicable of completion of the applicable client, its subsidiaries, assens or otherwise.			
2		Date: 2-23	Received By:	11111	Verbal Result:	Yes No led. Please provi	Add'I Phone #: de Email address:	
of of	of the second	Time: 25		Madde	Wil Vesuits are elliq	lled. Flease provide	Elliali audiess.	
Relinquished By:		Date: Time:	Received By:	9	REMARKS:	24 Hour	253	
Delivered By: (Circle One)	e One)	Observed Temp. °C	S C	On CHECKED BY:	Turnaround Time:	Standard N		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	s - Other:	Corrected Temp. "C 3,9	No No No	4	Correction Factor -0.6°C	3 6°C	□ Nc □ No	Corrected Temp. °C

Page 48 of 51

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240	Laboratories	CARDINAL

State: Zip: Attn: Zip: Attn: Zip: Attn: Zip: Attn: Zip: Attn: Zip: Project Owner: Zip:	Company Name:	200			BILL TO		1		ANA	ANALYSIS REQUEST	
State: Zip: Attn: CL Fax #: Address: Application: The Project Owner: CTS	Project Manager:	2 5			١.		4	-			
State: Zip: Attn: CL	Address:	ç			7		_				
Project Owner: City: City:	City:		State:	Zip:	Attn: CL						
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Sample I.D. Sample I.D. ROSE SAMPLING PRESERV SAMPLING PROPRESERV SAMPLING PRESERV SAMPLING PRESERV	Project #:		Project Owne	7	City:						
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Time: Standard Rush Rush Rush Rush Rush Rush Rush Rush	Sampler Name:	Ta Ta	1		Fax #:		_				
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Time: Standard Standa	Lab I.D.	Sample I.D	۶	CONTAINERS ROUNDWATER ASTEWATER DIL	THER:						
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pplicable pplicable pplicable Time: Standard Bacteria (only) Standar	27	5-711				1310	F				
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Ilt: □ Yes □ No Add'I Phone #: re emailed. Please provide Email address: ### Place Time: Standard □ Bacteria (only) Standard □ Cool Intact #### Cool Intact #### Cool Intact #### ID #113 #### Cool Intact #### ID #113 #### ID #113 ##### ID #113 ##################################	33	FS-49(2")		4	4	1240		←	r		
Date: Cool Inflact Cool Inflact Cool Inflact Cool Inflact Cool Inflact Correction Factor -0.6°C Inflact Correction Factor -0.6°C Inflact Inflact	PLEASE NOTE: Liability and Dar analyses. All claims including tho service. In no event shall Cardina	mages. Cardinal's liability and client's se for negligence and any other cau I be liable for incidental or conseque	s exclusive remedy for use whatsoever shall be untal damages, includir	any claim arising whether based in contract deemed waived unless made in writing art gwithout limitation, business interruptions.	ct or tort, shall be limited to the amount pa nd received by Cardinal within 30 days aft t, loss of use, or loss of profits incurred by	id by the client for the er completion of the a client, its subsidiaries	applicable				
Time: Date: Received By: Remarks: Humaround Time: Sample Condition CHECKED By: Ite One) Observed Temp. °C Cool Infact (Initials) Thermometer ID #113 Corrected Temp. °C No No No Correction Factor -0.8°C No No No Correction Factor -0.8°C	Relinquished By:	200	Date:	Received By	11111	Verbal Results a	ilt:	Yes □ No	Add'I	Phone #:	
Date: Received By: Remarks:	A	2	11mg: 625	"Jama	ra Williams	All Nesults o	8	led. Flease pro	AIGE LI	all audiess.	
Observed Temp. °C 4. Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S Corrected Temp. °C 39 Pes Yes No No No Correction Factor -0.6°C No No No	Relinquished By:		Date: Time:	Received By:		REMARKS:	24	How			
Corrected Temp. °C 5.7 Pres Yes Thermometer ID #113 Yes Yes Yes Correction Factor -0.6°C No No No	Delivered By: (Circle		erved Temp. °C	2.4	_	Turnaround	Time:	Standard		Bacteria (only) Sample Cool Intact Obse	Condition rved Temp. °C
	Sampler - UPS - Bus		ected Temp. °C	39	,	Thermometer Correction Fa	ID #11: ctor -0.6			☐ Yes ☐ Yes ☐ No ☐ Corre	cted Temp. °C

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	Relinquisned by:	analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse affiliates or successors arising out of or related to the performance	PLEASE NOTE: Liability and Dama	35	38	720	24	25	34	CC.	32	31	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Boo	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:
One) Observed Temp. °C Other: Corrected Temp. °C	Date: Time:	Time;	analyses. All claims including those for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applications, in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repartiless of whether such claim is based upon any of the above stated reasons or otherwise.	40 FS - S ((3)) PLEASE NOTE: Liability and Damages. Cardinal's liability and dileren's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	FS-53 (8')	F5-20 (8')	(E) ES-SI	FS-29(2:)	F5-32 (2')	TS-60(2')	FS-59 (2.)	FS-47(2)	FS-48(2')	Sample I.D.		A	(to Rodley 21C CTS	Project Owner:	Fax #:	State:		CL	(Co)
°C 4/S Sample Condition °C 2/9 Cool Intact °C 2/9 Pres Pres	Received By:	Received by	wer shall be deemed walved unless made in writing and received by Cardinal within 30 days at ges, including without limitation, business interruptions, loss of use, or loss of profits incurred b reunder by Cardinal, regardless of whether such claim is based upon any of the above stated	for any claim arising whether based in contract				G - K	€ €				(P)	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	MATRIX				ner:		Zip:			
tion CHECKED BY: (Initials)	The state of the s	The same of the sa	d received by Cardinal within 30 days after loss of use, or loss of profits incurred by a based upon any of the above stated re	t or tort, shall be limited to the amount pai				NG-G X	£			-	x 2-27	OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV. SAMI	Fax #:	Phone #:	State: Zip:	City:	Address:	Attn:	Company: 78	P.O. #:	BILL TO
Turnaround Time: Standard Rush Thermometer ID #113	REMARKS: 24 How	All Results are emailed. Please provide Email address:	pplicable	d by the client for the				××××	(330 V J V	2621	1310	1300 1	1952 x x x	BTEX TPH Chlorides	SAMPLING									ANA
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes		de Email address:																						ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		-				
Company Name:	00		BILL TO		ANALYSIS REQUEST	
Project Manager:	9	'A	P.O. #:			-
Address:		Q	Company: (E			
City:	State:	Zip: Ai	Attn:			
Phone #:	Fax #:	A	Address:			
Project #:	Project Owner:		City:		_	
Project Name: Soo Ro	adle a oic CTB	St	State: Zip:			
Project Location:	. (PI	#			
Sampler Name:	4	Fa	Fax #:			_
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING		
Lab I.D. Sa #2359/3	Sample I.D.	(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	BTEX TPH Chlorida		
42 F	5-19(2')	- ×	- ×	- X - X		
# F	2000					
1	>-01(0)	•	<	*		
PLEASE NOTE: iability and Damagas Cardeate						
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 gas after completion of the applicable service, in no event shall cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of servicins hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	and any other cause whatsoever shall be do idental or consequental damages, including when performance of services hereunder by Ca	se whatsoever shall be deemed we'would unless made in writing and reconved by Cardinal within 30 days after completion of the sent to treat the whatsoever shall be deemed we'word unless made in writing and reconved by Cardinal within 30 days after completion of the sental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clent, its subsidiarie servicities herreunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	c, small be limited to the amount paid wed by Cardinal within 30 days after use, or loss of profits incurred by cl ed upon any of the above stated rea	Dy the client for the completion of the applicable lent, its subadialnies, sons or otherwise.		
Verindinana ph.	Time; 25	Received By:	Meller	Verbal Result: ☐ Yes ☐ No ☐ Add'i Phone #: All Results are emailed. Please provide Email address:	io Add'i Phone #: provide Email address:	
Nemiquisned by	Date: Time:	Received By:		REMARKS:	SY How	
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.3	Sample Condition Cool Intact Cool Intact Pes No II No	CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID #113 Correction Factor -0.6°C	80	.,,



March 01, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/28/23 15:17.

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

Cardinal Laboratories is 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.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023 Reported: 03/01/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 112 (1.5') (H230930-01)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/01/2023	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	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 113 (1.5') (H230930-02)

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 114 (1.5') (H230930-03)

BTEX 8021B

	<u> </u>			. , . ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	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	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 115 (1.5') (H230930-04)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 116 (2') (H230930-05)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.6	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 104 (1.5') (H230930-06)

BTEX 8021B

	<u> </u>			· , · ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.166	
Toluene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	1.26	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.06	103	2.00	0.918	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.25	104	6.00	0.415	
Total BTEX	<0.300	0.300	02/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/01/2023	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	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 103 (1.5') (H230930-07)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 102 (1.5') (H230930-08)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 101 (1.5') (H230930-09)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 100 (2') (H230930-10)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 84 (1.5') (H230930-11)

BTEX 8021B

BIEX 8021B	ilig/	ky	Allalyze	u by. Jn					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/01/2023	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	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 85 (1.5') (H230930-12)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 86 (1.5') (H230930-13)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 87 (1.5') (H230930-14)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/01/2023	ND	400	100	400	7.69	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 88 (2') (H230930-15)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 76 (1.5') (H230930-16)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 74 (1.5') (H230930-17)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 73 (1.5') (H230930-18)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 72 (1.5') (H230930-19)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 132 (1.5') (H230930-20)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	219	109	200	3.93	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	211	105	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 131 (2') (H230930-21)

BTEX 8021B

	9/	·-9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 144 (2') (H230930-22)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 143 (1.5') (H230930-23)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 152 (1.5') (H230930-24)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	< 0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	6 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 158 (1.5') (H230930-25)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 159 (1.5') (H230930-26)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	0.552	
Toluene*	<0.050	0.050	03/01/2023	ND	2.02	101	2.00	0.0684	
Ethylbenzene*	< 0.050	0.050	03/01/2023	ND	1.98	99.0	2.00	0.831	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.00	100	6.00	0.213	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 163 (1.5') (H230930-27)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 130 (2') (H230930-28)

BTEX 8021B

	9/	9	7	1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 129 (2') (H230930-29)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 128 (2') (H230930-30)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 127 (2') (H230930-31)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 126 (2') (H230930-32)

BTEX 8021B

	9,	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 117 (2') (H230930-33)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/01/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 118 (2') (H230930-34)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 119 (2') (H230930-35)

BTEX 8021B

	9,	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 120 (2') (H230930-36)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	12.8	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 121 (2') (H230930-37)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 99 (2') (H230930-38)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 98 (2') (H230930-39)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	<0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/28/2023 Sampling Date: 02/28/2023

Reported: 03/01/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 97 (2') (H230930-40)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.05	103	2.00	2.48	
Toluene*	< 0.050	0.050	03/01/2023	ND	2.11	106	2.00	4.18	
Ethylbenzene*	< 0.050	0.050	03/01/2023	ND	2.08	104	2.00	3.70	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.29	105	6.00	3.52	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/01/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	212	106	200	2.96	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	223	112	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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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Celeg D. Freene

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °CS. Observed Temp. °C

Sample Condition

CHECKED BY:

Turnaround Time:

Standard

 $\boxtimes \Box$

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Ves Yes
No Corrected Temp.

Observed Temp. °C

Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.6°C

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

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND

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N-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	(313) 333-2320 (514) (313) 333-233		BILL TO		ANALYSIS	SIS REQUEST
Project Manager:	31		P.O. #:			
Address:			Company: 16			
City:	State:	Zip:	Attn: CL			
Phone #:	Fax #:		Address:			
Project #:	Project Owner:		City:			
ame: Boo	Radlea 210 CT		State: Zip:			
on:			Phone #:			
Sampler Name:	and a		1			
FOR LAB USE ONLY			PRESERV. SAMPLING	ING		
Lab I.D. Sa	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER:	TPH STEV	Chlorides	
No.	5-84 (1.5")	- ×	× 2-38	- ×	- ×	
	4					
N = 5.	(3.7)					
16	-76					
× 7.	5-73 (1.5')					
19 ES	-78 (NS')			-	4	
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 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 place of the publicable 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 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 analyses. The complete of the publicable analyses are considered as a substitution of the applicable analyses.	5 – 13.3 (1.51) nail's liability and client's exclusive remedy ince and any other cause whatsoever shall incidental or consequential damages, incli	for any claim arising whether based in contract of the deemed waived unless made in writing and be deemed waived unless made in writing and Joing without firnitation, business interruptions, lo	or tort, shall be limited to the amount paid or tort, shall be limited to the amount paid or sceived by Cardinal within 30 days after oss of use, or loss of profits incurred by cl	pplicable	4	
Relinquished By:	to the performance of services hereunder	tes heunder by Cardinal, regardless of witemer such claim is sur	Own A O A A	Verbal Result: ☐ Yes All Results are emailed. I	Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address:	l address:
Relinquished By:	Date:	Received By:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4 4	Sample Condition Cool Intact Cool Intact Pes	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	Standard Nush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Company Samp Foot	cted Temp. °C 3. 8.
State: Zip: Attn: Cl Fax #: Address: Address: Zip: Attn: Cl Fax #: Address: Zip: Address: Zip: Address: Zip: Project Owner: City: State: Zip: Phone #: Fax #	Turnaroun
State: Zip: City: City: State: Zip: Address: Zip: Fax #: Address: Zip: Project Owner: City: State: Zip: Phone #: Fax #: Address: Zip: Phone #: Fax #: Address: Zip: Phone #: Fax #: Address: Zip: Phone #: Fax #: Fax #: Address: Zip: Phone #: Fax #:	REMARK
State: Zip: Address: Zip: Address: Zip: City: State: Zip: Project Owner: City: State: Zip: Project Owner: City: State: Zip: Phone #: Fax #: Address: Zip: Phone #: Fax #:	All Resu
Company Name: CL Project Manager: Clty: State: State: Zip: Attn: CL Address: Project Owner: City: Project Location: Sampler Name: Sampler Name	Verbal Re
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1_	(5/5) 393-2326 FAX (5/5) 393-24/6	AX (5/5) 393-2	2476		-				200
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Sampler - UPS - Bus - Other		Corrected Temp. °C3.8	1		X	Thermometer ID #113 Correction Factor -0.6°C			☐ Yes ☐ Yes ☐ No ☐ Corrected Temp. °C



March 02, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/01/23 15:08.

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

Cardinal Laboratories is 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 2 (3') (H230962-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 19 (3') (H230962-02)

RTFY 8021R

BIEX 8021B	mg	^и кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 30 (3') (H230962-03)

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	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 53 (3') (H230962-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 40 (2') (H230962-05)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 41 (2') (H230962-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	20.6	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 42 (2') (H230962-07)

RTFY 8021R

B1EX 8021B	mg,	^и кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 43 (2') (H230962-08)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 44 (2') (H230962-09)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 67 (2') (H230962-10)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 93 (2') (H230962-11)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: NSW - 2 (H230962-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: NSW - 4 (5') (H230962-13)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: NSW - 5 (5') (H230962-14)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2023	ND	1.95	97.3	2.00	7.80	
Toluene*	<0.050	0.050	03/02/2023	ND	1.92	96.2	2.00	7.62	
Ethylbenzene*	<0.050	0.050	03/02/2023	ND	1.92	96.1	2.00	7.43	
Total Xylenes*	<0.150	0.150	03/02/2023	ND	5.84	97.4	6.00	6.99	
Total BTEX	<0.300	0.300	03/02/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	14.3	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: ESW - 1 (H230962-15)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.00	99.9	2.00	5.12	
Toluene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	6.65	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	96.9	2.00	6.38	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.03	100	6.00	6.99	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/01/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/01/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/01/2023	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: ESW - 2 (H230962-16)

BTEX 8021B

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.00	99.9	2.00	5.12	
Toluene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	6.65	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	96.9	2.00	6.38	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.03	100	6.00	6.99	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/02/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: ESW - 3 (H230962-17)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.00	99.9	2.00	5.12	
Toluene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	6.65	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	96.9	2.00	6.38	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.03	100	6.00	6.99	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	205	103	200	12.7	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	195	97.4	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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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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Celeg D. Freene

Relinquished By:

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °C 2 Observed Temp. °C

Cool Intact
Tyes Tyes
No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. '

Yes Yes
No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

Thermometer ID #113 Correction Factor -0.6°C

Time:

Received By:

REMARKS:

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

_ :	(575) 393-2326 FAX (575) 393-2476		0
pany Name:	Cococo Allins	BILL TO	ANALYSIS REQUEST
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Yamana Mama	(575) 393-2326 FAX (575) 393-2476	:476	211.		
roject Manager:	Carretter / Infl		P.O.#:		
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hone #:	Fax #:		Address:		
roject #: 8180	213C-MD - 03885 Project Owner:		City:		
roject Name:	Bog Radies DIC CTB		State: Zip:		
Project Location:	Eddy Couchy, N.M.		Phone #:		
Sampler Name:	Man J.		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMI	SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH BTEX	Chlorides
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(N	FS-36 (3°)			0601	
4	FS-S3 (3')			1030	
5	FS-40 (2')			1040	
6	FS-41 (2.)			1050	
7	F5-43 (a')			1100	
8	FS -43 (2.)			1130	
e	FS -44 (31)			1130	
16	ES-67 (2)	4 4	W W	1200 J J	V
LEASE NOTE: Liability and D nalyses. All claims including the enrice. In no event shall Cardin	LEASE 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 nalyses. 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 enrice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, experience of the consequent	any claim arising whether based in contract of e deemed waived unless made in writing and ng without limitation, business interruptions, lo	or tort, shall be limited to the amount pai received by Cardinal within 30 days after oss of use, or loss of profits incurred by o	id by the client for the er completion of the applicable client, its subsidiaries,	
Relinquished By:	Relinquished By: Date: 7 Received By:	Received By:	0011	Verbal Result: ☐ Yes	No Add'l Phone #:
The state of the s	Time	Manaka	The same of the sa	All Results are emailed.	All Results are emailed. Please provide Email address:
1 men m	100	Junean	Muny M		

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



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MATRIX OIL OIL SLUDGE OTHER: ACID/BASE: PRESERV. ACID/BASE: ICE / COOL OTHER: DATE TIME SOUND Address: Phone #: Fax #: PRESERV. SAMPLING ACID/BASE:	Address: City: Phone #: PRESERV.
Attn: C	Zin:
P.O. #:	
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March 02, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/01/23 16:45.

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

Cardinal Laboratories is 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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

(432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil
Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool 8

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 132 (4') (H230970-01)

BTEX 8021B

DILX 6021D	ilig	/ Ng	Allalyze	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/02/2023	ND	416	104	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	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 88 (4') (H230970-02)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

(432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 144 (4') (H230970-03)

BTEX 8021B

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Benzene* <0.050 0.050 0.3/01/2023 ND 1.97 98.5 2.00 9.66 Toluene* <0.050 0.050 0.3/01/2023 ND 1.89 94.6 2.00 8.80 Ethylbenzene* <0.050 0.050 0.3/01/2023 ND 1.94 97.2 2.00 10.3 Total Xylenes* <0.150 0.150 03/01/2023 ND 5.99 99.9 6.00 10.1 Surrogate: 4-Bromofluorobenzene (PID 109 % 71.5-134 Surrogate: 4-Bromofluorobenzene (PID 109 % 71.5-134 Mmyky Analyzed By: AC Chloride, SM4500Cl-B mg/ky Analyzed By: AC Chloride, SM4500Cl-B Mg/ky Analyzed By: AC Chloride, SM4500Cl-B Mg/ky Analyzed By: AC ND 416 1	BIEX 8021B	ilig/	, kg	Allalyze	u by. Jn					
Toluene* <0.050	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 03/01/2023 ND 1.94 97.2 2.00 10.3 Total Xylenes* <0.150	Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Total Xylenes* <0.150 0.150 03/01/2023 ND 5.99 99.9 6.00 10.1 Total BTEX <0.300	Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Total BTEX <0.300 0.300 03/01/2023 ND Surrogate: 4-Bromofluorobenzene (PID 109 % 71.5-134 Chloride, SM4500Cl-B mg/kg Analyzed By: AC Chloride Result Reporting Limit Analyzed By: AC % Recovery True Value QC RPD Chloride 80.0 16.0 03/02/2023 ND 416 104 400 0.00 TPH 8015M mg/kg Analyzed By: MS Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0	Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Surrogate: 4-Bromofluorobenzene (PID 109 % 71.5-134 Chloride, SM4500Cl-B mg / wg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 80.0 16.0 03/02/2023 ND 416 104 400 0.00 TPH 8015M mg/st Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* < 10.0 03/02/2023 ND 208 104 200 3.73 DRO >C10-C28* < 10.0 10.0 03/02/2023 ND 220 110 200 6.63 EXT DRO >C28-C36 < 10.0 10.0 03/02/2023 ND 2 110 20 6.63 Surrogate: 1-Chlorooctane 96.0 % 48.2-134 48.2-134 8 8 8 8 9	Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Chloride, SM4500Cl-B mg / kg Analyzed by: AC Method Blank BS % Recovery True Value QC RPD Chloride 80.0 16.0 03/02/2023 ND 416 104 400 0.00 TPH 8015M mg / kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Total BTEX	<0.300	0.300	03/01/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 80.0 16.0 03/02/2023 ND 416 104 400 0.00 TPH 8015M	Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride 80.0 16.0 03/02/2023 ND 416 104 400 0.00 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
TPH 8015M mg/se Analyzed by: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 03/02/2023 ND 208 104 200 3.73 DRO >C10-C28* <10.0 10.0 03/02/2023 ND 220 110 200 6.63 EXT DRO >C28-C36 <10.0 10.0 03/02/2023 ND Surrogate: 1-Chlorooctane 96.0 % 48.2-134	Chloride	80.0	16.0	03/02/2023	ND	416	104	400	0.00	
GRO C6-C10* <10.0 10.0 03/02/2023 ND 208 104 200 3.73 DRO >C10-C28* <10.0 10.0 03/02/2023 ND 220 110 200 6.63 EXT DRO >C28-C36 <10.0 10.0 03/02/2023 ND Surrogate: 1-Chlorooctane 96.0% 48.2-134	TPH 8015M	mg,	/kg	Analyze	ed By: MS					
DRO >C10-C28* < 10.0 10.0 03/02/2023 ND 220 110 200 6.63 EXT DRO >C28-C36 <10.0 10.0 03/02/2023 ND Surrogate: 1-Chlorooctane 96.0 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 03/02/2023 ND Surrogate: 1-Chlorooctane 96.0 % 48.2-134	GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
Surrogate: 1-Chlorooctane 96.0 % 48.2-134	DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
	EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctadecane 111 % 49.1-148	Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
-	Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 115 (3') (H230970-04)

BTEX 8021B

DIEX 6021B	ilig	, kg	Allalyze	u by. Jn					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/02/2023	ND	416	104	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	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 101 (3') (H230970-05)

BTEX 8021B

DILX GOZID	ilig/	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 72 (3') (H230970-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/02/2023	ND	416	104	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	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 87 (3') (H230970-07)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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03/01/2023

Analytical Results For:

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

(432) 682-3946

Received: 03/01/2023 Sampling Date:

Reported: 03/02/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 103 (3') (H230970-08)

BTEX 8021B

DIEX GOZID	ıııg,	Kg .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	117 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 %	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/01/2023 Sampling Date: 03/01/2023

Reported: 03/02/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885, TASK 210 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 85 (3') (H230970-09)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	1.97	98.5	2.00	9.66	
Toluene*	<0.050	0.050	03/01/2023	ND	1.89	94.6	2.00	8.80	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	1.94	97.2	2.00	10.3	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	5.99	99.9	6.00	10.1	
Total BTEX	<0.300	0.300	03/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/02/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2023	ND	208	104	200	3.73	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	220	110	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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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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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus - Other: Relinquished By: Sampler Name: Ezequiel Moreno-Flores 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Tetra Tech, ConocoPhillips 4230970 Lab I.D. Project Location: Eddy County, New Mexico Project Name: Boo Radley 21C CTB Release Address: 8911 Capital o Texas Hwy, Suite 2310 Project Manager: Christian Llull roject #: Phone #: quished By: Ez FORM-006 R 3.2 10/07/21 FS-87 (3') FS-103 (3') FS-72 (3') FS-101 (3') FS-115 (3') FS-144 (4') FS-88 (4') 212C-MD-02885, Task 210 Project Owner: (512)565-0190 FS-132 (4') Sample I.D. Moreno-Flores Corrected Temp. 'C & O Christian.Llull@Tetratech.com Fax #: † Cardinal cannot accept verbal changes, Please email changes to celey.keene@cardinallabsnm.com State: Time: Date: 3/1/2023 X Zip: 78750 Received By: Received By 9 G 9 G G G (G)RAB OR (C)OMP 0 G # CONTAINERS Sample Condition
Cool Intact

Description

Research GROUNDWATER ConocoPhillips WASTEWATER TRIX SLUDGE OTHER Fax #: State: City: Phone #: P.O. #: Address: EMAIL Company: Tetra Tech Attn: Christian Llull . 9 CHECKED BY: (Initials) ICE / COOL BILL TO DATE 3/1/2023 3/1/2023 3/1/2023 3/1/2023 Zip: 3/1/2023 3/1/2023 /1/2023 1/2023 SAMPLING Verbal Result: ☐ Yes ☐ No Add'I Phone
All Results are emailed. Please provide Email address: ermometer ID #113 prrection Factor -0.5°C TIME 国章 Cool Intact **TPH 8015M** BTEX 8021B 34118 Chloride SM4500CI-B ANALYSIS O No O No REQUEST



March 06, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/23 16:10.

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

Cardinal Laboratories is 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 201 (1.5') (H230979-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.99	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.7	2.00	9.31	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.02	101	2.00	9.57	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.33	106	6.00	9.53	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.3	200	0.0263	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	204	102	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: N SW - 15 (H230979-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.00	99.9	2.00	0.155	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.6	2.00	0.0835	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	1.96	97.9	2.00	0.596	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.01	100	6.00	1.33	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.3	200	0.0263	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	204	102	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	87.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: N SW - 14 (H230979-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.00	99.9	2.00	0.155	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.6	2.00	0.0835	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	1.96	97.9	2.00	0.596	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.01	100	6.00	1.33	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.3	200	0.0263	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	204	102	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 195 (1.5') (H230979-04)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.00	99.9	2.00	0.155	
Toluene*	<0.050	0.050	03/06/2023	ND	1.99	99.6	2.00	0.0835	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	1.96	97.9	2.00	0.596	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.01	100	6.00	1.33	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	203	101	200	1.15	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	201	101	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 202 (1.5') (H230979-05)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	4.40	
Toluene*	<0.050	0.050	03/06/2023	ND	2.09	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.15	107	2.00	7.48	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.52	109	6.00	6.95	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	203	101	200	1.15	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	201	101	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 190 (1.5') (H230979-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	4.40	
Toluene*	<0.050	0.050	03/06/2023	ND	2.09	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.15	107	2.00	7.48	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.52	109	6.00	6.95	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	203	101	200	1.15	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	201	101	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 197 (1.5') (H230979-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	4.40	
Toluene*	<0.050	0.050	03/06/2023	ND	2.09	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.15	107	2.00	7.48	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.52	109	6.00	6.95	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	215	107	200	13.1	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	215	108	200	9.15	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 203 (1.5') (H230979-08)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	4.40	
Toluene*	<0.050	0.050	03/06/2023	ND	2.09	104	2.00	5.45	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.15	107	2.00	7.48	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.52	109	6.00	6.95	
Total BTEX	<0.300	0.300	03/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	215	107	200	13.1	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	215	108	200	9.15	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 191 (1.5') (H230979-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	215	107	200	13.1	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	215	108	200	9.15	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 198 (1.5') (H230979-10)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 30 (4') (H230979-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	76.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 192 (1.5') (H230979-12)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	170	85.2	200	28.6	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	169	84.7	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 199 (1.5') (H230979-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	170	85.2	200	28.6	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	169	84.7	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: N SW - 17 (H230979-14)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	170	85.2	200	28.6	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	169	84.7	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: N SW - 12 (H230979-15)

BTEX 8021B

DIEX GOZID	11197	- Kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 193 (1.5') (H230979-16)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 200 (1.5') (H230979-17)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: N SW - 16 (H230979-18)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keine



Analytical Results For:

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

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: N SW - 13 (H230979-19)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	184	91.9	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 03/02/2023 Sampling Date: 03/02/2023

Reported: 03/06/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 194 (1.5') (H230979-20)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2023	ND	2.03	102	2.00	4.19	
Toluene*	<0.050	0.050	03/03/2023	ND	2.00	99.8	2.00	4.93	
Ethylbenzene*	<0.050	0.050	03/03/2023	ND	1.96	98.0	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/03/2023	ND	5.99	99.8	6.00	4.61	
Total BTEX	<0.300	0.300	03/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/03/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	184	91.9	200	3.78	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	186	92.9	200	9.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Notes and Definitions

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

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Freene

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Kelinquished By:		Relinquished By	affiliates or successors arisi	PLEASE NOTE: Liability and C	2	S S S S S S S S S S S S S S S S S S S	2	6	S	4	N	0.1		Lab I.D. H23697	FOR LABUSE ONLY	Sampler Name:	Project Name:	Project #:	Phone #:	City: Austin	Address: 8911 (Project Manage	Company Name						
					Relinquished By: Ezequiel Moreno-Flores	affiliate or successor a recomman or consuperant attempts, notating afficial finitiating, business interpretable, but of star, or based profits incurred by filent, but substainers, and or successors a sileng out of or relibed to this performance of services homeunder by Cardhoul, regardless of whether such takin is based upon any of the above stands reasons or other performance.	amagia Cardina's lacify and clarify exclusion	_	_	FS-197 (1.5'	FS-190 (1.5')	FS-202 (1.5')	FS-195 (1.5')	5 N SW-14	Z N SW-15	FS-201 (1.5')	Sample I.D.		Sampler Name: Ezeguiel Moreno-Flores	Project Name: Boo Radley 21C CTB Release	212C-MD-02885, Task 210 Project Owner:	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suite 2310	Project Manager: Christian Llull C	Company Name: Tetra Tech, ConocoPhillips						
	Observed Temp. °C Corrected Temp. °C	Time:	Date:	Time: 10	3/2/2023	cluding whould limitation, business profices hereunder by Cardinal, rig	a mostly for any claim arising which										, o		KICO	base	210 Project Owner	Fax #:	State: TX Zip:	te 2310	Christian.Llull@Tetratech.com	llips						
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8 1	Sample Condition Cool Intact			CH		od upon a	00 to the ac		Ê	ς ×			_		,		SOIL ATRIX				ConocoPhillips				П							
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(Initials)			(R	1	by client, its subsidiaries in above stated ressons	aug ka pa	+	+		-	-	H	-	-	-	OTHER:	200	Phone #:	State:	City:	Address: EMAIL	Attn: Christian Llull	Com	P.O. #:							
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	ED BY: als)		(((P	R	The state of the s	A CONTRACTOR OF THE PROPERTY O	PIZ	DIE	No.	or otherwise.	3/2/2023 ralpes. All claims	3/2/2023	3/2/2023	3/2/2023	3/2/2023	3/2/2023	3/2/2023	3/2/2023	3/2/2023	3/2/2023	SAMPLING DATE T			Zip:		AIL	n Llull	tra Tech	
Thermometer ID #113 Correction Factor -0.5°C	Turnaround Time:		REMARKS:		Verbal Results		including those for										TIME															
tor 4.5°C	oc Standard Good Intact	×		s are emailed	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	regigence and any other	X X	×	×	×	×	×	×	×	×	×	TPH 8015M	_	_	_		_		_								
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Page 23 of 24

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

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Cool Intact

rved Temp. "C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Sampler - UPS - Bus - Other: Relinquished By: Relinquished By: Ezequiel Moreno-Flores Lab I.D. Sampler Name: Ezequiel Moreno-Flores Project Location: Eddy County, New Mexico Project Name: Boo Radley 21C CTB Release 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Tetra Tech, ConocoPhillips 4236979 Project #: Phone #: City: Austin Address: 8911 Capital o Texas Hwy, Suite 2310 Project Manager: Christian Llull FS-194 (1.5') FS-200 (1.5') FS-193 (1.5') N SW-16 N SW-12 N SW-17 FS-199 1.5') FS-192 (1.5') 212C-MD-02885, Task 210 Project Owner: FS-30 (4') (512)565-0190 Sample I.D. Fax #: Christian.Llull@Tetratech.com Observed Temp. °C (State: 3/2/2023 Time X Zip: 78750 Received By: G 9 G G (G)RAB OR (C)OMP G G G G # CONTAINERS GROUNDWATER Sample Condition Cool Intact Vis C Vis No. No. ConocoPhillips WASTEWATER MATRIX SLUDGE OTHER Fax #: State: City: Phone #: P.O. #: Company: Tetra Tech Address: EMAIL Attn: Christian Llull CHECKED BY: (Initials) ICE / COOL BILL TO 3/2/2023 Zip: 3/2/2023 3/2/2023 /2/2023 DATE SAMPLING REMARKS: TIME × × ×××× TPH 8015M BTEX 8021B × × × 豆 Chloride SM4500CI-B ANALYSIS REQUEST

Page 24 of 24



March 08, 2023

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

RE: BOO RADLEY 21C CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/06/23 16:50.

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

Cardinal Laboratories is 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)

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 03/06/2023 Sampling Date: 03/06/2023

Reported: 03/08/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 200 (2') (H231019-01)

BTEX 8021B

DILX 6021D	ilig	/ Ng	Allalyze	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/08/2023	ND	1.97	98.7	2.00	9.55	
Toluene*	<0.050	0.050	03/08/2023	ND	1.95	97.7	2.00	9.61	
Ethylbenzene*	<0.050	0.050	03/08/2023	ND	1.93	96.5	2.00	10.8	
Total Xylenes*	<0.150	0.150	03/08/2023	ND	5.92	98.6	6.00	9.55	
Total BTEX	<0.300	0.300	03/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/08/2023	ND	400	100	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	03/08/2023	ND	171	85.6	200	0.383	
DRO >C10-C28*	<10.0	10.0	03/08/2023	ND	167	83.7	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	03/08/2023	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Company Name: Tetra Tech, Cohoco Phillips	BILL TO	ANALYSIS REQUEST
	an . 1/011 Otetrated 8.0. #:	
2	vite 23/0 Company:	
City: Austin State: Tx	ip: 78750	3
Phone #: (512) 565-0196 Fax #:	Address:	- <i>E</i>
Project #: 212C-MD-02885 Project Owner:	Conoco Phillips	CI
Project Name: Boo Radley 216 CTB	State: Zip:	900
	New Mexico Phone #:	-
o Morene	Fax #:	_
	MATRIX PRESERV.	SAMPLING 30
#23/019 Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME
1 F5-200 (2')	×	1430 XXX
T-CHOSE WO I.E. Luciony and Usingless, Cardina's lacidity and client's exclusive remoty for any claim arising whether based in contract or fort, 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 walved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliation or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stand reasons or otherwise.	Tot any claim arising whether based in contract or tort, shall be limited to the amounty of the deemed waived unless made in writing and received by Cerdinal within 30 days at buding without limitation, business interruptions, loss of use, or loss of profits incurred by by Cerdinal, regardless of whether such claim to based upon any of the above stated by Cerdinal, regardless of whether such claim to based upon any of the above stated.	int paid by the client for the sea after the
Relinquished By: Date: \$/6/25		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
Relinquished By: Date:	Received By:	REMARKS:
Delivered By: (Circle One) Observed Temp. °C,	Sample Condition CHECKED BY: Cool Intact (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #113 Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C



July 07, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/06/23 16:25.

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

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 244 (1') (H233451-01)

BTEX 8021B

DIEXOGEID	9/	119	Anaryzo	a 2 y . 1 . 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	t						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	07/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 245 (1') (H233451-02)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	07/07/2023	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	12.6	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 246 (1') (H233451-03)

BTEX 8021B

BIEX 6021B	ilig	, kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PI	D 105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						
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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 247 (1') (H233451-04)

BTEX 8021B

DILX GOZID	ıııg,	Kg .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	119 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 248 (1') (H233451-05)

BTEX 8021B

BIEX 8021B	ilig/	ky	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/07/2023	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14							

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 249 (1') (H233451-06)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2023	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 250 (1') (H233451-07)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 251 (1') (H233451-08)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 263 (3') (H233451-09)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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with Sigh



Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 264 (3') (H233451-10)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 265 (3') (H233451-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 266 (3') (H233451-12)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 267 (2') (H233451-13)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 268 (2') (H233451-14)

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	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 269 (2') (H233451-15)

BTEX 8021B

BIEX 8021B	ilig	, kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/06/2023	ND	2.09	104	2.00	5.11	
Toluene*	<0.050	0.050	07/06/2023	ND	2.05	103	2.00	5.56	
Ethylbenzene*	< 0.050	0.050	07/06/2023	ND	2.00	100	2.00	5.49	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.07	101	6.00	4.62	
Total BTEX	<0.300	0.300	07/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	134	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 270 (2') (H233451-16)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2023	ND	416	104	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	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 271 (2') (H233451-17)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 272 (2') (H233451-18)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	416	104	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	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 273 (2') (H233451-19)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/07/2023	ND	416	104	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	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	113 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	6 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 274 (2') (H233451-20)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2023	ND	186	93.1	200	9.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	187	93.4	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 18 (H233451-21)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	115 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 19 (H233451-22)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 20 (H233451-23)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 21 (H233451-24)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 18 (H233451-25)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/07/2023	ND	416	104	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	07/06/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 19 (H233451-26)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/07/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Mile Sough



Analytical Results For:

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

Received: 07/06/2023 Sampling Date: 07/06/2023

Reported: 07/07/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 20 (H233451-27)

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	07/07/2023	ND	2.06	103	2.00	0.142	
Toluene*	<0.050	0.050	07/07/2023	ND	2.04	102	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.98	98.9	2.00	0.349	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.97	99.4	6.00	0.712	
Total BTEX	<0.300	0.300	07/07/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2023	ND	194	97.1	200	5.82	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	202	101	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Mile Sough



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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Mile Sough

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Page of 3

Company Name: ConocoPhillips	ConocoPhillips		BILL TO			- 1	101
Project Manager: Christian Llull	: Christian Llull		P.O. #:			CHALLOIO VEGOESI	100
Address: christia	Address: christian.llull@tetratech.com		Company: Tetra Tech				
City:	St	State: Zip:	Attn: Christian Llull				
Phone #: (512) 338-1667		Fax #: NA	Address:)			
Project #: 212C-MD-02885		Project Owner:	City:	5h)			
Project Name: Bo	Project Name: Boo Radley 21C CTB Release	е	State: Zip:	Ru			
Project Location:	Project Location: Eddy County, New Mexico		#	ve			
Sampler Name:	Jos Tulor		Fax #:	Но	1		
FOR LAB USE ONLY	C	MATRIX	PRESERV. SAMPLING	24-			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE	(7x)	BTEX Chlorides	Hold	
2	-	×	×	1000 ×	×		
n l	FS-245 (1')			-	-		
. 0	13-246 (11)			1020			
1-0	T) - 247 (1")			1030			
.0	(1) 8he 52			1040			
20	(1) hhr- 51			1050			
X	FC- 98 (1)			1100			
00	CS - 7/2 (9')			1110			
10	FS-264	4	←	1130 V	-		
nalyses. All claims including the evice in no event shall Cardin filiates or successors arising or	verieges. Caldinars liability and client's exci- hose for negligence and any other cause wh- nal be liable for incidental or consequental of but of or related to the performance of service	The contract of the initial stating and clients exclusive tened for any claim arraing whether based in contract or tort, shall be limited to the amount paid by the client for the halyses. All claims including those for negligence and any other cause whatboever shall be deemed varied unless made in writing and received by Cardinal within 30 days after completion of the applicable tribe. In no event shall Cardinal be liable for incidental or consecurated damages, including without limitation, business interruptions, loss of use, or loss of profits tribumed by client, its subsidiaries, lifeties or successors arising out of or related to the performance of services heterander by Cardinal securities.	ot of tort, shall be limited to the amount paid by the client for the nd received by Cardinal within 30 days after completion of the a , clos of use, or loss of profits incurred by client, its subsidiaries,	id by the client for the er completion of the applicable client, its subsidiaries,			
y		Date 23 Received By:	so based upon any of the above stated to	Phone Results:	Yes □ No	Add'l Phone #: Add'l Fax #:	
Relinquished By:	Date:	Date: Received By:	CHANTA	Email Results to:			
Delivered By: (Circle One) Sampler UPS - Bus - Other:	Circle One) Bus - Other:	#1/3 Sample Condition Cool Miact	CHECKED BY:				
	111	11.3					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

10	10) 000 2020 1101 (0.0)					ANIAL VOID DECLIEGT	
Company Name: ConocoPhillips	ConocoPhillips		BILL 10			ANALISIS NEWOEST	1
Project Manager: Christian Llull	Christian Llull		P.O. #:				
Address: christian.llull@tetratech.com	llull@tetratech.com		Company: Tetra Tech				
City:	State:	Zip:	Attn: Christian Llull		_		
Phone #: (512) 338-1667	\$-1667 Fax #: NA	VA	Address:				
Project #: 212C-MD-02885	D-02885 Project Owner:	Owner	City:	sh)			
Project Name: Boo	21C CTB Rele		State: Zip:	Ru			
Project Location:	Project Location: Eddy County, New Mexico		Phone #:	201			
Sampler Name:	Joe Tolar		Fax #:	H	\ \ \		
FOR LAB USE ONLY			PRESERV. SAMPLING	NG (24-			
Lab I.D.	Sample I.D.	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	TIME (7X)	170722	Hold	
1/	FS-265 (3')	7	× 7-6	1150 X	×		
12	FS-266 (3')			1300	-		
13	FS-269 (8")			orei			
14	FS-268 (2')			1920			
15				1330			
16	-			orei	-		
17	FS - 271 (2")			1950			
18	_			1300	-		
19	FS-373 (2')			+			
70	FS-274 (2")	4 4	4	1340 W	*		t
PLEASE NOTE: Liability and Di- analyses. All claims. Including the service. In no event shall Cardin.	amages. Cardinal's liability and client's exose for negligence and any other cause as be liable for incidental or consequents.	lient's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount past of the cleam for the cruses whatsower shall be deemed walved unless made in writing and received by use, or loss of profits normated by client, its subsidiaries, explaints, including without limitation, business interruptions, loss of course, or loss of profits normated by client, its subsidiaries, explaints in the profits of the applicable explaints in the course of the	ct or toot, shall be limited to the amount, paid by the cleans for the not received by Cardinal within 30 days after completion of the as t, loss of use, or loss of profits incurred by client, its subsidiaries, he hose-of when any of the above stated reasons or otherwise.	paid by the client for the applicat after completion of the applicat by client, its subsidiaries, reasons or otherwise.	*		
Relinquished By:	Date:	ate: 73 Received By:	101	ts:	☐ Yes ☐ No	Add'l Phone #:	
Jak	Time:	7 1	Malabar	Email Results to:	9		
Relinquished By:	Date: Time:	Received By:					
Delivered By: (Circle One)	(Circle One) Bus - Other: / 0	#113 Sample Condition Cool intact Tyes Tyes	checked By:				
Samplen - UPS -		- 3	10				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476		PageS of S
Company Name: ConocoPhillips		BILL TO	ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:	
Address: christian.llull@tetratech.com	om	Company: Tetra Tech	
City:	State: Zip:	Attn: Christian Llull	
Phone #: (512) 338-1667	Fax #: NA	Address:	
Project #: 212C-MD-02885	Project Owner:	City:	ush
Project Name: Boo Radley 21C CTB Release	B Release	State: Zip:	R

Company Name: ConocoPhillips		BILL 10		ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:		
Address: christian.llull@tetratech.com		Company: Tetra Tech		
City: St	State: Zip:	Attn: Christian Llull		
Phone #: (512) 338-1667 Fa	Fax #: NA	Address:		
35	Project Owner:	City:	ush)	
21C CTB Rele	se	State: Zip:	12.	
Project Location: Eddy County, New Mexico	ö	Phone #:		
Sampler Name: Joe 714		Fax #:	Ho	
	MATRIX	PRESERV. SAMPLING	1	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH (分 BTEX Chlorides	Hold
2/ ESW-18			1350 × × ×	
22 ESW-19			1430	
			1430	
			1440	
6			1450	
			1500	
27 wsw-20	-	<	A A A 0851	
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Relinquished By: Relinquished By: D Relinquished By:	Date: Received By: Time: 25 Received By: Time: 25 Received By:	Ma Meddle by	Phone Results:	Add'I Phone #: Add'I Fax #:
Sampley - UPS - Bus - Other:	1. 9c 1.3° Sample Condition Cool Intact Yes No No	ition CHECKED BY: (Initials) es		

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Page 32 of 32



July 11, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/10/23 16:27.

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

Cardinal Laboratories is 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 15 (H233497-01)

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	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	133 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 16 (H233497-02)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PI	D 107	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						
Surrogate: 1-Chlorooctane	103	% 48.2-13	4	ND					

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 17 (H233497-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celey D. Kreene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 15 (H233497-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 16 (H233497-05)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 17 (H233497-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	12.2	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 21 (H233497-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 252 (2') (H233497-08)

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	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 253 (2') (H233497-09)

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	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 254 (2') (H233497-10)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 255 (2') (H233497-11)

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	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 256 (2') (H233497-12)

BTEX 8021B

DIEX 6021B	ilig	/ kg	Allalyze	u by. M3					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 257 (2') (H233497-13)

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	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 258 (2') (H233497-14)

BTEX 8021B

DIEX 6021B	ilig	ky	Allalyze	u by. Mo					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 259 (2') (H233497-15)

BTEX 8021B

DIEX 6021B	ilig	, kg	Allalyze	u by. Mo					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 260 (2') (H233497-16)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.24	112	2.00	3.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.21	110	2.00	1.30	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.11	105	2.00	3.43	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.52	109	6.00	3.02	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	175	87.5	200	0.0926	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	173	86.4	200	4.34	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 261 (3') (H233497-17)

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	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 262 (3') (H233497-18)

BTEX 8021B	mg/	'kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/11/2023	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 275 (1') (H233497-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/11/2023	ND	416	104	400	3.92	QR-03
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 276 (1') (H233497-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/10/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 277 (1') (H233497-21)

BTEX 8021B

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/11/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 278 (1') (H233497-22)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 279 (1') (H233497-23)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 280 (1') (H233497-24)

BTEX 8021B	mg/	'kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/10/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 281 (1') (H233497-25)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 282 (1') (H233497-26)

BTEX 8021B	mg/kg Analyz		Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	80.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 283 (1') (H233497-27)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 284 (1') (H233497-28)

BTEX 8021B	mg	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/11/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 285 (1') (H233497-29)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/11/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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07/10/2023

Analytical Results For:

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

(432) 682-3946

Received: 07/10/2023 Sampling Date:

Reported: 07/11/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 286 (1') (H233497-30)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/11/2023	ND	2.03	101	2.00	0.789	
Toluene*	<0.050	0.050	07/11/2023	ND	1.93	96.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	07/11/2023	ND	2.07	103	2.00	0.477	
Total Xylenes*	<0.150	0.150	07/11/2023	ND	6.23	104	6.00	0.260	
Total BTEX	<0.300	0.300	07/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/11/2023	ND	416	104	400	3.92	
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	07/11/2023	ND	176	88.1	200	11.2	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	178	89.1	200	17.3	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

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Celey D. Keine



Notes and Definitions

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

accepted based on LCS and/or LCSD recovery and/or RPD values.

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

Relinquished By

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

24.

CHECKED BY:

Time:

Received By:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Relinquished By

7-10-23

Fax Results: Email Results to:

Yes

No No

Add'l Phone Add'l Fax #:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 3

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

				ANIAL VOIC DECLIEST
Company Name: ConocoPhillips		BILL TO		ANALYSIS REQUEST
Project Manager: Christian Llull		P.O. #:		
Address: christian.llull@tetratech.com		Company: Tetra Tech		
City:	State: Zip:	Attn: Christian Llull		
Phone #: (512) 338-1667	Fax #: NA	Address:		
Project #: 212C-MD-02885	Project Owner:	City:		
Project Name: Boo Radley 21C CTB Release		State: Zip:	sh	
Project Location: Eddy County, New Mexico		Phone #:	ru	
Sampler Name: To Tile		Fax #:	ow	
٦.	MATRIX	PRESERV. SAMPLING	He	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER: DATE TIME	TPH J4- BTEX Chlorides	Hold
FSW-15	- ×	×	×	
2 ESW-16		0940	-	
3 ESW-17		0950		
		1000		
S WSW-16		1010		
6 wsw-17		1020		
7 wsw-21		1030		
S FS-253 (8'	9.	1100		
9 FS-253 (2"	('6')	1 1105		
10 EC 254	(3.)	0111 A A 1110	W W	

Page 33 of 35

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



Page of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10	101 East Mariand, Hobbs, NW 66240	202 2476							
(5/5) 393-232	19			BILL TO			ANALYS	ANALYSIS REQUEST	1
roject Manager: Christian Llull	Christian Llull			P.O. #:					
Address: christian.llull@tetratech.com	lull@tetratech.com			Company: Tetra Tech					
City:	State:		Zip:	Attn: Christian Llull					
Phone #: (512) 338-1667		Fax #: NA		Address:					
Project #: 212C-MD-02885		Project Owner:		City:		-			
roject Name: Boo	21C CTB Reli			State: Zip:	ush	_			
roject runner	Eddy County New Mexico			Phone #:	R	_			_
roject Location:	Project Location: Eddy Coulty, New Mickies			Fax #:	Dul				
Sampler Name:	Joe Tyler		MATRIX	PRESERV SAMPLING					
Lab I.D.	Sample I.D.		G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TPH 24	BTEX Chlorides	Hold		
1, SACCZH			- #	× 1	1115 ×	×			
17	CC 156 (1.)		- !		1130				
n w	155				1130				
14	_				1140				
Si					1145				
11					1150				
17					1230				
18/	FS-262 (3')				1330				
19	395	275 (1)		•	1317	V .			
PLEASE NOTE: Liability and analyses: All claims including	Damages Cardinal's liability and client's exist those for negligerice and any other cause is	ciusive remedy for an whatsoever shall be d	y claim arising whether based in wronned waived unless made in wr	20 ES - 276 (1) PLEASE NOTE: Liability and Damages. Cardinalis 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 publicable paralleles. 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 paralleles.	t paid by the client for the after completion of the apt by client, its subsidiaries.	olicable			
service. In no event shall Carr affiliates or successors assing	dinal be liable for incidental or consequental a out of or related to the performance of serv	ices hereunder by Ca	Received By:	service. In no event shall Cardinal be liable for incidential or consequential damages, incourage window in a special damages, incourage window in a special damage of the above stated reasons or otherwise. Stillards of successors aroung out of or related to the performance of services hereunder by Cardinal Special Spy: Date:, 2 2 Received Sy: Date: 2 Received Sy:	Phone Results:	s: Yes	□ No Add'I Phone #:	one#:	
Relinquished By:	Tyles	7-10-63 Time: 27	Received By:	in Milladora	Email Results to:	to:	3		
		Time:							
Delivered By: (Circle One)	(Circle One)		#146 Sample Condition	Ç					
Sampler - UPS - Bus - Other:	- Bus - Other:	11	Pres Dres	Thes No.					

Relinquished By

Date: Time:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 3

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

(57)	(575) 393-2326 FAX (5/5) 393-24	70				ANALYSIS RECITEST	
Company Name: ConocoPhillins	nocoPhillins		BILL TO				
Project Manager: Christian Llull	nristian Llull		P.O. #:				
Address: christian.llull@tetratech.com	JII@tetratech.com		Company: Tetra Tech				
City:	State:	Zip:	Attn: Christian Llull				
Phone #: (512) 338-1667	1667 Fax #: NA		Address:	1			
Project #: 212C-MD-02885	-02885 Project Owner:	er:	City:	usl			
Project Name: Boo	Project Name: Boo Radley 21C CTB Release		State: Zip:	R			
Project Location: E	Project Location: Eddy County, New Mexico		Phone #:	dur			_
Campler Name	Jos Tule		Fax #:		1		
odilibiei Mailie.		MATRIX	PRESERV. SAMPLING				
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL OTHER:	TPH 2	BTEX Chlorides	Hold	
1000	FS-277 (1)	6 - ×	01-t ×	×	X		
2	FS-278 (1')			1340			
ng Ng	FS-279 (1')			1550			
20	FS-280 (11)			1400			
25	FS - 281 (1)			0141			
36	FS - 282 (1)			1000			
87	FS-285 (1)			1450			
200	1			050			
29	FS-285 (1')		<	A OCAL	+		
Si Si		*	₩ .	1500	-		
PLEASE NOTE: Liability and D analyses All claims including the	PLEASE NOTE: Labelity and Demages. Curdinal's liability and client's exclusive remedy for any claim arising whether based in contract on ive. severe within 3.0 days after completion of the applicable arisipses. All claims including those for negligence and any other cause whatsoever shall be deemed avaived unless made in whiting and received by Cardinal within 3.0 days after completion of the applicable arisipses. Including when the claims including those for negligence and any other cause whatsoever shall be deemed avaived unless made in whiting and received by Cardinal within 3.0 days after completion of the applicable.	rife exclusive remedy for any claim arising whether based in constant, or two, some or immore any of the analyse whether the completion of the analyse whatsoever shall be deemed warved unless made in whiting and received by Cardinial within 30 days after completion of the analyse white shall be deemed warved unless made in whiting and received by Cardinial within 30 days after completion of the analyse was a shall be deemed warved unless and a shall be deemed and the shall be deemed and the shall be deemed warved unless and the shall be deemed and the shall be deemed and the shall be deemed warved unless and the shall be deemed unless that the shall be deemed and the sh	and received by Cardinal within 30 days att is, loss of use, or loss of profits incurred by	ter completion of the applicable client, its subsidiaries.			
affiliates or successors arising o	of or related to the performance of services hereunder	by Cardinal, regardless of whether such da Received By:	IT is passed upon any or are aware aware	ts:	☐ Yes ☐ No	Add'I Phone #:	
Kelinquisiled by	7-10-65	-	The state of the s	Email Results to:	5	Pierwise and and	
	lime.	The state of the s	The second second				

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other: Delivered By: (Circle One)



July 14, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/13/23 8:27.

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

Cardinal Laboratories is 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.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 4 (H233584-01)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 5 (H233584-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 6 (H233584-03)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 7 (H233584-04)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 8 (H233584-05)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 9 (H233584-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 10 (H233584-07)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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07/12/2023

Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date:

Fax To:

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 6 (H233584-08)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 7 (H233584-09)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 8 (H233584-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 9 (H233584-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 10 (H233584-12)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 238 (1') (H233584-13)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	90.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 239 (1') (H233584-14)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 240 (1') (H233584-15)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 241 (1') (H233584-16)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 242 (1') (H233584-17)

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	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 243 (1') (H233584-18)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 263 (4') (H233584-19)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 265 (4') (H233584-20)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.02	101	2.00	1.69	
Toluene*	<0.050	0.050	07/13/2023	ND	2.00	99.8	2.00	3.11	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	1.99	99.3	2.00	2.42	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.01	100	6.00	3.12	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	201	101	200	5.34	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	209	105	200	6.60	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 267 (3') (H233584-21)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	4.00	QM-07
Toluene*	<0.050	0.050	07/13/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 229 (1') (H233584-22)

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	07/13/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/13/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 228 (1') (H233584-23)

BTEX 8021B

	9,	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 227 (1') (H233584-24)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 226 (1') (H233584-25)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 225 (1') (H233584-26)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	112 9	26 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 224 (1') (H233584-27)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 223 (1') (H233584-28)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	< 0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	12.9	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141	% 49.1-14	18						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 222 (1') (H233584-29)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 221 (1') (H233584-30)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 220 (1') (H233584-31)

BTEX 8021B

	9/	9	71.14.1, = 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 219 (1') (H233584-32)

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	07/14/2023	ND	2.24	112	2.00	4.00	
Toluene*	<0.050	0.050	07/14/2023	ND	2.28	114	2.00	5.54	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.18	109	2.00	6.23	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.68	111	6.00	4.97	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 218 (1') (H233584-33)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 217 (1') (H233584-34)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 216 (1') (H233584-35)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 215 (1') (H233584-36)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 214 (1') (H233584-37)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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07/12/2023

Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date:

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 213 (1') (H233584-38)

RTFY 8021R

B1EX 8021B	mg/	ку	Allalyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	104 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

77.1 170

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 212 (1') (H233584-39)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/13/2023	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	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 211 (1') (H233584-40)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.322	
Toluene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	1.95	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.17	109	2.00	1.17	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.53	109	6.00	0.893	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	07/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	226	113	200	1.64	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	208	104	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 210 (1') (H233584-41)

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	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	07/13/2023	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	07/13/2023	ND	184	91.9	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	181	90.7	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	126 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138 9	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 212C - MD - 02885

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 209 (1') (H233584-42)

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	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	07/13/2023	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	07/13/2023	ND	184	91.9	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	181	90.7	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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07/12/2023

Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date:

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 208 (1') (H233584-43)

BTEX 8021B

DILX GOZID	iiig/	ng .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	184	91.9	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	181	90.7	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 207 (1') (H233584-44)

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	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/13/2023	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	07/14/2023	ND	184	91.9	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	181	90.7	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/12/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 205 (1') (H233584-45)

BTEX 8021B

DILX GOZID	ıııg,	K9	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2023	ND	2.25	112	2.00	0.787	
Toluene*	<0.050	0.050	07/13/2023	ND	2.24	112	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/13/2023	ND	2.15	108	2.00	1.49	
Total Xylenes*	<0.150	0.150	07/13/2023	ND	6.65	111	6.00	1.17	
Total BTEX	<0.300	0.300	07/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	184	91.9	200	8.11	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	181	90.7	200	5.57	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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Celey & Keene



Notes and Definitions

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

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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. Keene

Relinquished By

Time: 07:45

Received By:

Fax Results: Email Results to:

Yes

Received By

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Delivered By: (Circle One)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	O TOTAL DE LIE							
Company Name: ConocoPhillips	ConocoPhillips		71G	BILL TO	11.0		ANALYSIS REQUEST	IEST
Project Manager: Christian Llull	Christian Llull		P.O. #:					
Address: christian	Address: christian.llull@tetratech.com		Company: Tetra Tech	tra Tech	_			
City:	State:	Zip:	Attn: Christian Llull	Liuil				
Phone #: (512) 338-1667	8-1667 Fax #: NA		Address:					
Project #: 212C-MD-02885	D-02885 Project Owner:	vner:	City:					
roject Name: Bo	Project Name: Boo Radley 21C CTB Release			Zip:				
roject Location:	Project Location: Eddy County, New Mexico		#					
Sampler Name	1 1		i mone ii.					
odifipier Name:	Joe Lile		Fax #:				_	
FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING				
Lab I.D. H235584	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	(2023) DATE TIME	TPH	BTEX Chlorides	Hold	
,	ESW-4		×	7-12	×	×		
2	ESW-5		-			+		
W	6-053							
4	F=023							
v	ESW-8							
6	ESW-9							
7	01-033							
90	₩sw-6							
P	t-wew							
10	8- WSW	4	•	<	<	4		

Page 48 of 52

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(575) 393-2326 FAX (575) 393-2476	476		Page 2 of 5	71
Company Name: ConocoPhillips	: ConocoPhillips		BILL TO		
Project Manager: Christian Llull	: Christian Llull		P.O. #:	ANALTSIS REQUEST	
Address: christia	Address: christian.llull@tetratech.com		Company: Tetra Tech		
City:	State:	Zip:	Attn: Christian Llull		
Phone #: (512) 338-1667	38-1667 Fax #: NA		Address:		
Project #: 212C-MD-02885	ND-02885 Project Owner:	er:	City:		
Project Name: Bo	Project Name: Boo Radley 21C CTB Release				
Project Location	Project Location: Eddy County, New Mexico		D		
Sampler Name:	Too 7/1		1 1101e #.		
EORI AR DEFONE	Joe Jule		Fax #:		
COL CHE COSE CHEX		S ER	PRESERV. SAMPLING		
Lab I.D. H233584	Sample I.D.	(G)RAB OR (C)O # CONTAINERS GROUNDWATE WASTEWATER SOIL DIL SLUDGE	ACID/BASE: CE / COOL DTHER: DATE	TPH BTEX Chlorides Hold	
=======================================	P-M50	× 5	× 100	C (
12	WSW-10			- ;	
7.0					
15	(1) LCP - CJ				
1/6	FS-241 (1)				
17	FS- 242 (11)				
280	15- 243 (11)				
200	-2631				
PLEASE NOTE: Liability and Dam including those	amages. Cardinal's liability and client's exclusive remedy for any claim one for negligence and any other cause whether	ny claim arising whether based in contract of	V tort, shall be limited to the amount paid by the client for	4 4 4	
retrice. In no event shall Carden fill the sor successors arising out the successors are success	revice. In or event shall Caldrab be clade for incidental or consequented damages, including without initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, replicable of or related to the performance of services hereunded by Cardral without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, replicable of the performance of services hereunded by Cardral visiting and consequently considerable by: Date:	keemed waived unless made in writing and without limitation, business interruptions, lo ardinal, regardless of whether such claim is Received By:	on, were or miner to the amount pad by the client (or received by Cardinal within 30 days after completion of the se of use, or loss of profits incurred by client, its subsidial based upon any of the above stated reasons or otherwise.	pplicable	į
Qu	Time: 07'40		Fax Results: Email Results to:	ults: O Yes O No Add'l Phone #: Ults to: Add'l Fax #:	
Relinquished By:	Date: 7/13/27	Received By:		STAPES	
7		Mennah	The state of the s	lake to a	
Delivered By: (Circle One)		Sample Condition	CHECKED BY	HOLI GOOD SILVER	

Page 49 of 52

Relinquished By:

Time: 07:45

Email Results to: Phone Results: Fax Results:

Yes

00 No

Add'l Phone #: Add'l Fax #:

Received By:

Date 7/13/23 Received By:

Sampler - UPS - Bus - Other:

Delivered By:

(Circle One)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 5

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

Relinquished By Sampler Name: Project Location: Eddy County, New Mexico Project Name: Boo Radley 21C CTB Release Project #: 212C-MD-02885 Phone #: (512) 338-1667 Address: christian.llull@tetratech.com Project Manager: Christian Llull Company Name: ConocoPhillips Lab I.D. 26 52 77 28 FS-222 1-5-223 (1' FS-234 (1) 566-52 FS-226 ES-227 65-338 FS-239 (1) Sample I.D 498-57 (3) Date:7/13/27 Fax #: NA State: Project Owner: (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER MATRIX OIL SLUDGE OTHER State: Fax #: Phone #: City: P.O. #: Attn: Christian Llull Company: Tetra Tech Address ACID/BASE PRESERV ICE / COOL OTHER BILL TO Zip £1-12 (JOJS) SAMPLING client, its subsidiaries TIME of the app TPH BTEX Chlorides ANALYSIS REQUEST Hold

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Cool Intact
Yes Yes

CHECKED BY

(Initials)

Page 50 of 52



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sample I.D. Sample I.D. Sample I.D. Size Sample I.D. Size Sample I.D. Size Sample I.D. Size Size

Relinquished By

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Delivered By:

(Circle One)

CHECKED (Initials



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(3)	(575) 393-2326 FAX (575) 393-2476	76				Page 5 of 5
Company Name: ConocoPhillips	ConocoPhillips		BILL TO			ANALYSIS REQUEST
Project Manager: Christian Llull	Christian Llull		P.O. #:	$\frac{1}{2}$		CHOCK NEWOCO.
Address: christian.	Address: christian.llull@tetratech.com		Company: Tetra Tech			
City:	State:	Zip:	Attn: Christian Llull			
Phone #: (512) 338-1667	3-1667 Fax #: NA		Address:			
Project #: 212C-MD-02885	D-02885 Project Owner:	ň	City:		_	
Project Name: Boo	Project Name: Boo Radley 21C CTB Release		State: Zin:			
Project Location: E	Project Location: Eddy County, New Mexico		ŧ			
Sampler Name	+ +		THOIR M.			
Sampler Name:	Joe lule		Fax #:			
FOR LAB USE ONLY	(MATRIX	PRESERV. SAMPLING	ING		
Lab I.D.	Sample I.D.	OIL	OTHER:	TPH	BTEX Chlorides	Hold
12	FS-210 (1')		×	×	×	
24	FS - 208 (1")				-	
44	FS-207(1)					
24	F5-205 (11)	4	<	-	E	
PLEASE NOTE: Liability and Damages	labes. Cardina's liability and client's weck-wise second, do					
alyses. All claims including those viole in no event shall Cardinal liates or successors arising out of the control of the con	regligence and any other or ble for incidental or consec elated to the performance	y claim arising whether based in contrac eemed waived unless made in writing are without limitation, business interruptions, rdinal, regardless of whether such claim	ct or fort, shall be limited to the amount paind received by Cardinal within 30 days after, loss of profits incurred by c, loss of use, or loss of profits incurred by c	by the client for the completion of the applicable its subsidiaries.		
7	Jane Wash	Received By:		Phone Results:	□ Yes □ No	
Jac Jac	lime:			s to:		TOWN TOWN

Page 52 of 52



July 14, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/13/23 15:00.

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

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 204 (H233607-01)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	07/14/2023	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	07/13/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	119 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Celeg & Freene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 206 (H233607-02)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/14/2023	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	07/13/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	130 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 230 (H233607-03)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	< 0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	118 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	6 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 231 (H233607-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 232 (H233607-05)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	128 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 %	6 49.1-14	8						

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Celecy D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 233 (H233607-06)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 234 (H233607-07)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 235 (H233607-08)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	< 0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	120 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 236 (H233607-09)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	120 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133 9	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 237 (H233607-10)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	128 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: FS - 292 (H233607-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 293 (H233607-12)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	153	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 294 (H233607-13)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	3.01	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	193	96.7	200	9.55	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	135	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	151	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 11 (H233607-14)

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	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	128 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 9	6 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 12 (H233607-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/13/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/13/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 13 (H233607-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 14 (H233607-17)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.04	102	2.00	0.487	
Toluene*	<0.050	0.050	07/14/2023	ND	2.03	101	2.00	0.818	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	2.00	100	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	6.08	101	6.00	1.15	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 22 (H233607-18)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: ESW - 23 (H233607-19)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	111 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 1 (H233607-20)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 2 (H233607-21)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 3 (H233607-22)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16700	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	150	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 4 (H233607-23)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 11 (H233607-24)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	110 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 12 (H233607-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/14/2023	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	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	145	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 13 (H233607-26)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	121 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: WSW - 14 (H233607-27)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 15 (2') (H233607-28)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (P	ID 106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	8						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	18						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 22 (H233607-29)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 1 (H233607-30)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: SSW - 2 (H233607-31)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 212C - MD - 02885 Sample Received By:

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 3 (H233607-32)

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	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7840	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: SSW - 4 (H233607-33)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15000	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	217	109	200	0.589	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	220	110	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

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

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

ma/ka

Sample ID: SSW - 5 (H233607-34)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	219	109	200	0.378	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	223	112	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 16 (2') (H233607-35)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	219	109	200	0.378	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	223	112	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/14/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 17 (2') (H233607-36)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/14/2023	ND	2.01	101	2.00	0.496	
Toluene*	<0.050	0.050	07/14/2023	ND	1.98	99.2	2.00	0.626	
Ethylbenzene*	<0.050	0.050	07/14/2023	ND	1.95	97.6	2.00	1.65	
Total Xylenes*	<0.150	0.150	07/14/2023	ND	5.89	98.2	6.00	2.72	
Total BTEX	<0.300	0.300	07/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/14/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2023	ND	219	109	200	0.378	
DRO >C10-C28*	<10.0	10.0	07/14/2023	ND	223	112	200	3.63	
EXT DRO >C28-C36	<10.0	10.0	07/14/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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Notes and Definitions

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

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. Freene

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech	etra Tech Pristian Llull		P.O.#:	BILL TO		-
Project Manager: Christian Llull	Christian Llull		Company	Company: Tetra Tech		
Mudicas, oat i ca	Address, or i Capital of Community Community State:	TX Zip:	Attn: Chr	Attn: Christian Llull		_
Phone #:	(512)565-0190 Fax #:		Address: EMAIL	EMAIL		_
	212C-MD-02885 Project Owner:	Conoc	ConocoPhillips City:			
Project Name: Bo	Project Name: Boo Radley 21C CTB Release		State:	Zip:		-B
Project Location:	Project Location: Eddy County, New Mexico		Phone #:			
Sampler Name: Co	Iton Bickerstaff, Andrew Garcia		Fax#:			
Sampler Name: C	Sampler Name: Colton Bickerstall, Andrew Galcia		-	1	5	
BOR LINE ONLY		I	MATRIX PRESERV.	RV. SAMPLING		1B
4723607	Sample I.D.	G)RAB OR (C)OM CONTAINERS COUNDWATER NASTEWATER	DIL SLUDGE DTHER: ACID/BASE: CE / COOL	DATE	TPH 8015	BTEX 802
-	FS-204	1	^		×	+
0	FS-206	G 1	X	7/13/2023	X	XX
120	ES-230	G 1	X	7/13/2023	X	X . X
	FS-231	G 1		7:13:0023	×	×
2	FS-232	G 1	X	7/13/2023	×	+
,	FS-233	G 1	X 2	7/13/2023	×	+
38	FS-234	G 1	X	7/13/2023	×	×
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2	FS-236	9		Ţ	V :	× :
PLEASE NOTE: Laciny and Discount shall Cardinal be flable.	PS-237 Control to the best produced and perform perform the product of the pr	G 1 I I I I I I I I I I I I I I I I I I	x insulate the encord paid by the diant last of politic Hoursed by client, the se	or for the analysis of Chicas subsidiaries.	including those for my	and any other cause
affiliates of succession was	OLD OF ISSUED IN the processing or the research	in a second out			Verbal Result:	□ Yes □ No
Relinquished By	Relinquished By: Colton Bickerstaff	200	e one	>	All Results are emailed. Please provide Email address: Christian Liuli@ietratech.com	d. Plea
Relinquished By:	Date:	Received By:		0	REMARKS:	
Delivered By: (Circle One)	Obs	0.72	Sample Condition (CHECKED BY: [Initials]	Purvaround Time: Standard	ž
		100		3	Thermometer ID #113 Correction Factor -0.5°C	6

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Sampler - urc	Deliverer By: (Circle One)		Relinquished By:		Relinquished By: Colton Bickerstaff	oversishall Cardinal be efficient or successors	200	1	-	1,	/		14				Project Manager: Christian Llull Address: 8911 Capital o Texas I City: Austin Phone #: (512)565-0190 Project #: 212C-MD-028 Project Name: Boo Radley 21C Project Location: Eddy County, Sampler Name: Cotton Bickerst Saudiscour Lab I.D. Sa	Company Name: Tetra Tech	
	Series Contra	Circle One	,	Bv:		Bv: Colto	able for incider	-WSW	9 ESW-23	6 ESW-22	ESW-14	0 ESW-13	5 ESW-12	FSW-11	5 FS-294	7 FS-293	FS-292	(512)((512)(212C. Boo Rad mr. Eddy (Colton	e: Tetra	
		1				on Bickerstaff	esi or consequental damage related to the performance of	W-I	7-23	1-22	/-14	1-13	/-12	11-71	94	93	92	85 CTB RO New M aff, Ann		(575) 393-2
	6	Observed Temp. "C	Time:	Date:	Time 500	Date: 7/13/23	ear that Carlind be labb for incloyable or consequented deregate, including without fortalized, bushness eterruptions, bus of less or fortal included by york, as seasone or exercised Carlind behalf carbon as the control of the control of services benautically of whether each claim is based upon any of the about stated resource or the histories of uncessaries arrange out of oy related to the performance of services benautically of Sandrian Inguistics of whether each claim is based upon any of the about stated resource or the histories.	faces someth for any other energy whether										State: State: Fax #: Project Owner: elease lexico drew Garcia		(575) 393-2326 FAX (575) 393-2476
	94140 21.0	ด์ก			8		boarress into	C showing for	G	G	G	G	G	G	G	G	G	(G)RAB OR (C)OMP.		393-24/6
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	Thermometer ID #113 Correction Factor -0.5°C	Turnuround Time: Standar		REMARKS:	All resident in	Verbal Result: Yes No		ns including these ha										LING		
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ORM-006 R 3.2 10/07/21



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: Christian Llull Company Name: Tetra Tech Lab I.D. City: Austin Project Location: Eddy County, New Mexico Project Name: Boo Radley 21C CTB Release Project #: Phone #: Address: 8911 Capital o Texas Hwy, Suite 2310 Relinquished By: Colton Bickerstaff Sampler Name: Colton Bickerstaff, Andrew Garcia Delivered By: (Circle One) Sampler - UPS - Bus - Other: Relinquished By: H253601 25 WSW-4 WSW-3 212C-MD-02885 (512)565-0190 WSW-15 (2') WSW-12 WSW-22 WSW-14 WSW-13 11-MSM WSW-2 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Sample I.D. Fax #: Project Owner: Observed Temp. "C Corrected Temp. "C 1000 Lead Date: Date: 7/13/23 State: 0 × (G)RAB OR (C)OMP Zip 9 9 0 0 9 Received By: Received By: # CONTAINERS GROUNDWATER ConocoPhillips Sample Condition
Cool Intact

Drugaria

wo wo WASTEWATER × SOIL SLUDGE City: P.O. #: State: Company: Tetra Tech OTHER Fax #: Phone #: Attn: Christian Llull Address: EMAIL ACID/BASE ICE / COO CHECKED BY: OTHER BILL TO (Initials) Zipo 7/13/2023 7/13/2023 7/13/2023 7/13/2005 7/13/2023 7/13/2023 713/29/23 7/13/2023 DATE SAMPLING Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: Christian.Lluil@ietratech.com REMARKS: Rush YES 24 to DUSH TAT TIME meter ID **TPH 8015M** 9113 -0.5°C BTEX 8021B × Chloride SM4500CI-B Cool Intact ANALYSIS 0 % 0 % REQUEST Corrected Temp. *C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Delivered By: (Circie ດ .e) Sampler - UPS - Bus - Cthc:		Relinquished By:		Relinquished By:	pilliples or successors arisin	FLEAGE NOTE: Lability and Davinges. Or districts the				210	25	44.	77	200	111	12,	Lab I.D. H233601		Sampler Name: C	Project Location:	Project Name: Bo	Project #:	Phone #:	City: Austin	Address: 8911 Ca	Project Manager: Christian Llull	Company Name: Tetra Tech	
	us - Other				Relinquished By: Colton Bickerstaff	out of or related to the performance	5 3				W3W-1/(2)	WSW-16 (2)	SSW-5	-WCG	F M33	SSW-3	SSW-2	Sample I.D.		Sampler Name: Colton Bickerstaff, Andrew Garcia	Project Location: Eddy County, New Mexico	Project Name: Boo Radley 21C CTB Release	212C-MD-02885	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suite 2310	Christian Llull	etra Tech	ь.
	Observed Temp. "C Corrected Temp. "C	Time:	Date:	Time: SO	Date: 7/13/23	affliates or successors arising out of or related to the performance of services hereunder by Cardinal	and allorst exclusive variety, for any other accompanience based in constant or contains limited to the encury pathy the district for an adjust- serted demayse, including without finishedon, business interruptions, has of oue, or loss of posits injuried by client, as subadiannes.											e I.D.		drew Garcia	fexico	elease	Project Owner:	Fax#:	State: TX	uite 2310			1010 000 1010 101 1010 000 1010
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,	CHECKED BY: (Initials)			1 ex		od reason	angengra				Ĭ	Ì	Ť					OTHER :	RV		n			Address: EMAIL	Attn: Christian Llull	Tetr		BIL	
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	Rush: TEX 37 in Supril 141 Rush: TEX 37 in Supril 141 Thermometer ID #113 Correction Factor -0.5°C		REMARKS:		Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address: Christian.Llull@tetratech.com		al complete or seek											TIME	ING										
	Stan 10 #11 ctor -0.1				re ema		delle		T	П		×	4	×	×	×	×	TPH 8015M	_										
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July 19, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/18/23 14:15.

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: FS - 204 (2') (H233726-01)

BTEX 8021B

DILX 6021D	ilig	r kg	Allalyze	u by. 143					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.15	107	2.00	2.18	
Toluene*	<0.050	0.050	07/19/2023	ND	2.12	106	2.00	3.06	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.03	102	2.00	1.12	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.09	101	6.00	0.311	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/19/2023	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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 205 (2') (H233726-02)

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	07/19/2023	ND	2.15	107	2.00	2.18	
Toluene*	<0.050	0.050	07/19/2023	ND	2.12	106	2.00	3.06	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.03	102	2.00	1.12	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.09	101	6.00	0.311	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	07/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 209 (2') (H233726-03)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	QM-07
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keens



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 210 (2') (H233726-04)

BTEX 8021B

DILX GOZID	mg/	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 211 (2') (H233726-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 5 (2') (H233726-06)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 5 (H233726-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 8 (2') (H233726-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 3 (5') (H233726-09)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 1 (5') (H233726-10)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	99.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 4 (1') (H233726-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Analytical Results For:

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

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 3 (5') (H233726-12)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 2 (5') (H233726-13)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C - MD - 02885 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 5 (5') (H233726-14)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	91.69	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 1 (5') (H233726-15)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	< 0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	165	82.6	200	1.65	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	170	85.2	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	70.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.3	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NM

Sample ID: SSW - 4 (5') (H233726-16)

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/19/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	200	100	200	6.57	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	197	98.7	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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Analytical Results For:

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

(432) 682-3946

Received: 07/18/2023 Sampling Date: 07/18/2023

Reported: 07/19/2023 Sampling Type: Soil

Fax To:

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NM

Sample ID: WSW - 2 (5') (H233726-17)

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	07/19/2023	ND	2.11	105	2.00	0.119	
Toluene*	<0.050	0.050	07/19/2023	ND	2.05	102	2.00	1.79	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.15	108	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.47	108	6.00	0.877	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/19/2023	ND	400	100	400	3.92	
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	07/19/2023	ND	200	100	200	6.57	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	197	98.7	200	3.80	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	72.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene

Relinquished By

Relinquished By:

Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Delivered By: (Circle One)

Time:

CHECKED BY:

Received By

Fax Results: Email Results to:

O No

Add'l Phone #: Add'l Fax #:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	* 24 - Hour Rush	Page I of 2
ny Name: ConocoPhillips	BILL TO	ANALYSIS REQUEST
Manager: Christian Llull	P.O. #:	
s: christian.llull@tetratech.com	Company: Tetra Tech	

					١	١		
Company Name: ConocoPhillips			BIL	BILL TO				ANALYSIS REQUEST
Project Manager: Christian Llull			P.O. #:					
Address: christian.llull@tetratech.com			Company: Tetra Tech	tra Tech				
City:	State: Zip:		Attn: Christian Llull	Llull				
Phone #: (512) 338-1667	Fax #: NA		Address:					
35	Project Owner:	0	City:					
Project Name: Boo Radley 21C CTB Release	ase	-	State:	Zip:				
Project Location: Eddy County, New Mexico	ico		Phone #:					
Sampler Name: Joe Za			Fax #:			_		
	V 1	MATRIX	PRESERV.	SAMPLING	, i			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	(2003)	TIME	TPH	BTEX Chlorides	Hold
1 FS-204(2")	9			7-18 0	0900	×	×	
		-	_	- 6	0620		-	
3 FS-209 (2°))	0440			
	`				1000			
5 ES-211 (2'))				1010			
					1030			
2-650					1040			
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Page 20 of 21

Relinquished By

Relinquished By:

Date: Time:

Received By

Received By

Fax Results: Email Results to:

□ Yes

O No

Add'l Phone #: Add'l Fax #:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

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

		I					I	l				
Company Name: ConocoPhillips	Phillips			BI	BILL TO					ANALYSIS	ANALYSIS REQUEST	
Project Manager: Christian Llull	in Llull			P.O. #:								
Address: christian.llull@tetratech.com	stratech.com			Company: Tetra Tech	etra Tech							
City:	State:	Zip:		Attn: Christian Llull	in Llull							
Phone #: (512) 338-1667	Fax #: NA			Address:					_			
Project #: 212C-MD-02885	5 Project Owner:	er:		City:								
Project Name: Boo Radley 21C CTB Release	y 21C CTB Release			State:	Zip:				_			
Project Location: Eddy County, New Mexico	ounty, New Mexico			Phone #:					_			
Sampler Name:	o Tular			Fax #:					_			
FOR LAB USE DNLY	C		MATRIX	PRESERV.	SAMPLING	NG						
Lab I.D. H133716	Sample I.D.	(G)RAB OR (C)OMF	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	(aoas)	TIME	ТРН	BTEX	Chlorides	Hold		
	(·1) 数数 P- WSW		×	×	7-18	1140	×	×	×			
	wsw-3 (5')	E	-	-	-	1150	-	-				
	SSW-2 (5')					1200						
	550-5 (5')					1220		-				
15	~					1230						
						1250						
	(.s) P-msm	+	<	<	4	1300	4	4	<			

Page 21 of 21



July 19, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/19/23 11:54.

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

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: **BOO RADLEY 21C CTB RELEASE** Sampling Condition: Cool & Intact Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 233 (3') (H233743-01)

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	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	400	100	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	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 263 (6') (H233743-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 24 (2') (H233743-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEX	<0.300	0.300	07/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/19/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	158	79.2	200	29.5	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	233	117	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Notes and Definitions

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

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Delivered By: (Circle One) Sampler-UPS - Bus - Other:

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CHECKED BY:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10	IVI Edst Walland, House, ith our	470					
iel	(5/5) 35-2320 Phillips		BILL TO			ANALYSIS REQUEST	
Project Manager:	Cherstran Uni		P.O. #:				
Address:			Company: Tetro To	ech			
City:	State:	Zip:	Attn: Christian U				
Phone #:	Fax #: NA		Address:				
	Alac-MD-08885 Project Owner:	ner:	City:				
me	Ran Radle 21C CTB Release	iase	State: Zip:				
ň	County	Hoxico	Phone #:				
Sampler Name:			Fax #:				
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	G			
Lab I.D.	Sample I.D.	G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TPH	BTEX Chlorides	Hold	
CHCSZH	EC 227 (7:)	- # ∨ ∨ × s	× 1	× 0000	××		
<u>u</u> -	1,7	- 5	-	x 0660	×		
U	ESW-94 (9')	L	<	1000 4	*		
PLEASE NOTE: Liability and C analyses. All claims including t service. In no event shall Card affiliates or successors arising	amages. Cardinal's liability and clen hose for negigence and any other ca raal be liable for incidental or consequ out of or related to the performance or	'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 use whatsoever shall be deemed waived unless reade in writing and received by Cardinal within 30 days after completion of the entalt damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiant services hereunder by cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Res. Page:	gact or tort, shall be limited to the amount paid and received by Carolinal within 30 days after no, loss of use, or loss of profits incurred by o inn is bassed upon any of the above stated rea	by the client for the completion of the application, its subsidiaries, sizons or otherwise.	Yes	No Add'I Phone #:	
Relinquished By:	M Time;	Received By:	a Whate	Email Results to:		Rust! SD	

Page 6 of 6



July 20, 2023

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

RE: BOO RADLEY 21C CTB RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/19/23 16:40.

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

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Jodi Henson

Project Location: COP - EDDY COUNTY, NM

Sample ID: ESW - 5 (3') (H233762-01)

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	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/20/2023	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	07/20/2023	ND	180	90.1	200	3.68	
DRO >C10-C28*	13.1	10.0	07/20/2023	ND	176	88.0	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

Sample ID: FS - 205 (4') (H233762-02)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/20/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	180	90.1	200	3.68	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	176	88.0	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Fax To: (432) 682-3946

Received: 07/19/2023 Sampling Date: 07/19/2023

Reported: 07/20/2023 Sampling Type: Soil

Project Name: BOO RADLEY 21C CTB RELEASE Sampling Condition: Cool & Intact
Project Number: 212C - MD - 02885 Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: COP - EDDY COUNTY, NM

mg/kg

Sample ID: NSW - 18 (5') (H233762-03)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/20/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	180	90.1	200	3.68	
DRO >C10-C28*	10.1	10.0	07/19/2023	ND	176	88.0	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

NSW-18 (5') NSW-18 (5') NSW-18 (5') NSW-18 (5')	Company Name: Project Manager: Address: City: Phone #: Project Wame: Soc Project Location: to Sampler Name: FOR LAB USE ONLY FOR LAB USE ONLY FOR LAB USE ONLY FOR LAB USE ONLY	Name: Christian Unillys Inager: Christian Unillys Inager: Christian Unillys State: Zir Fax #: 212 C-MO-0868 S Project Owner: me: Bob iZadley 2 IC CTB cation: Eddy & NAn ame: Andrew Garre MILY Sample I.D. RABBORIO GRAGE OR OR OR OR OR OR OR OR OR O	CONTAINERS ROUNDWATER ASTEWATER DIL L UDGE	HER:
NSW-18 (5') X X 195W	15 I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE DTHER: ACID/BASE:	DATE TIME
		NSW-18 (5')	<	19701
	Relinquished By:	Time:	Received By:	Verbal All Resu REMAR
Time: Time: Received By: Received By:	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	ne) Observed Temp. °C Other: Corrected Temp. °C	Sample Condition Cool Intact Pres Pres No No No	CHECKED BY Turnaround Time: Standard [Initials] Thermometer ID #113 Correction Factor -0.6°C

APPENDIX E Photographic Documentation



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east across T-11 excavated area to a depth of 4'.	1
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



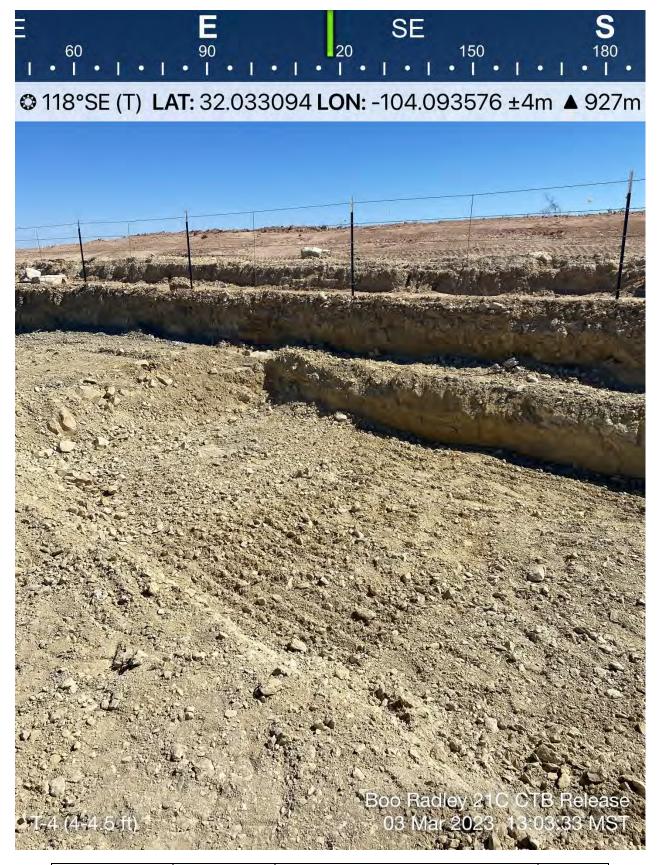
TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south-southeast of T-6 excavated area.	2
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south-southeast across T-10 excavated area.	3
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View west of the T-2 trench excavated area.	4
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View northeast of T-4 excavated area. Soil was removed to a depth of 4'-4'5'	5
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southeast of the T-5 excavated area. Soil was removed to a depth of 6'.	6
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south of T-7 trench excavated area.	7
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southeast of T-11 excavated trench area.	8
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO.	. DESCRIPTION	View south-southwest of T-1 trench excavated area.	9
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC.	DESCRIPTION	View south-southwest across site from T-10 excavation area.	10
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View north over T-7 trench excavation area.	11	
	SITE NAME	Boo Radley 21C CTB Release	2/24/2023	



TETRA TECH, INC.	DESCRIPTION	View south over T-9 excavation area.	12
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View west-northwest across trenched area.	13
	SITE NAME	Boo Radley 21C CTB Release	3/3/2023





TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east across T-11 excavated trench area.	14
212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	2/24/2023



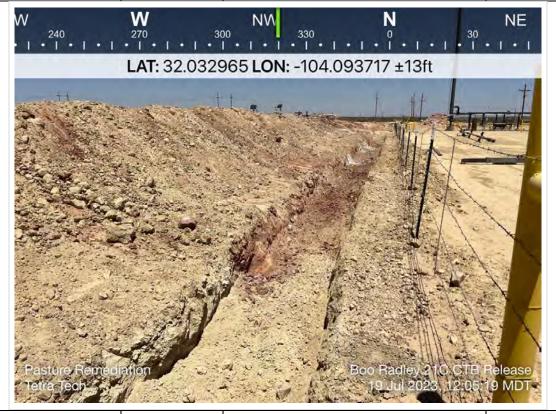
TETRA TECH, INC.	DESCRIPTION	View west-southwest of underground utilities near T-7 trench.	15
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	3/3/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View west-southwest of site across T-7 excavated area.	16
	SITE NAME	Boo Radley 21C CTB Release	3/3/2022



TETRA TECH, INC.	DESCRIPTION	View east. Excavated area on south side of pad area.	17
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC.	DESCRIPTION	View northwest. Excavated area on west side of pad area.	18
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC.	DESCRIPTION	View west, start of pasture area release extent. Excavated Area, 1-2' BGS.	19
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View northeast away from pad. Excavated Area, 1' BGS.	20
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



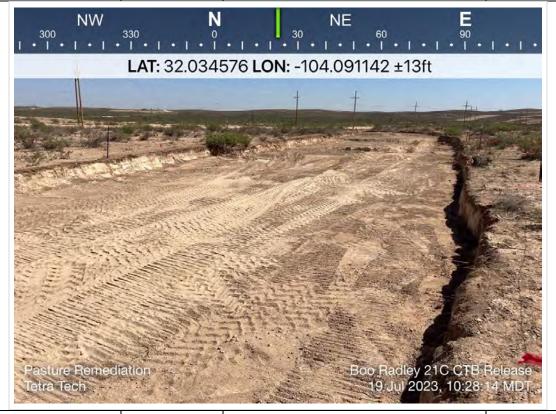
TETRA TECH, INC.	DESCRIPTION	View north northeast. Excavated area, 1' BGS.	21
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View northeast. Excavated area, 1-2.5' BGS.	22
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View south southwest. Excavated area, 1' BGS.	23
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View north northeast. Excavated area, 1-2' BGS.	24
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC.	DESCRIPTION	View West. Excavated area, 3-6' BGS.	25
PROJECT NO. 212C-MD-02885	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View north. Excavated area, 2-4' BGS.	26
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



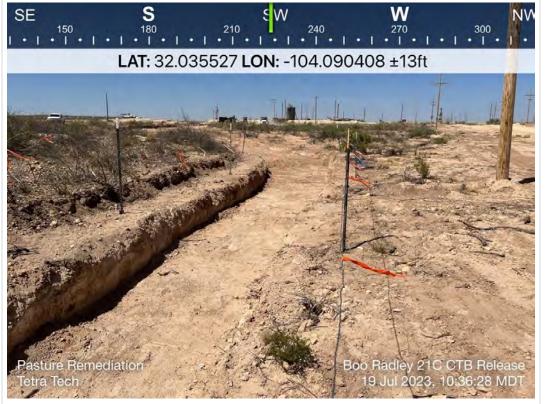
TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View southwest. Excavated area, 2' BGS.	27
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View southwest. Excavated area, 1' BGS.	28
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View north. Excavated area, 1-2' BGS.	29
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View southwest. Northeastern end of the release. Excavated area, 2-3' BGS.	30
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View northwest. Excavated area of lease road.	31
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023



TETRA TECH, INC. PROJECT NO. 212C-MD-02885	DESCRIPTION	View southwest. Excavated area of lease road.	32
	SITE NAME	Boo Radley 21C CTB Release	7/19/2023

District III

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

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

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

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

CONDITIONS

Action 243872

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	243872
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created I	By Condition	Condition Date
rhamle	t Appears to be duplicate submission. Incident NAPP2230542080 has already been approved and closed.	1/9/2024