

March 22, 2024

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

Subject: Remediation Report and Closure Request Maverick Permian, LLC Vacuum ABO 13-3 Flowline Release Unit Letter L, Section 4, Township 18 South, Range 35 East Lea County, New Mexico Incident ID# nPAC0716533924

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was initially contracted by the previous operator, ConocoPhillips, to assess a historical release that occurred from a flowline associated with the Vacuum ABO Unit 13-3 flowline (associated API No. 30-025-03045) in Public Land Survey System (PLSS) Unit Letter L, Section 4, Township 18 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.780614°, -103.463791°, as shown in **Figure 1** and **Figure 2**. In 2022 Maverick Permian LLC (Maverick) acquired the Site from COP, began operating the Site in June 2022, and undertook the remediation activities described in this report.

BACKGROUND

According to the State of New Mexico C-141 Initial Report, the release was discovered on May 31, 2007. The release occurred as the result of external erosion to a 2 ⁷/₈-inch flowline encompassing an area of approximately 23,900 square feet. The release consisted of approximately 33 barrels (bbls) of produced water and 7 bbls of oil. During immediate response actions, 10 bbls of produced water and 2 bbls of oil were recovered. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on June 4, 2007, and subsequently assigned the release Incident ID nPAC0716533924. This release is included in an Agreed Compliance Order-Releases (ACO-R) between COP and the NMOCD signed on May 7 and 9, 2019.

The original C-141 Form associated with this release was previously submitted to the NMOCD in the NMOCDapproved COP *Release Characterization and Remediation Work Plan* (Remediation Work Plan) dated February 8, 2021, submitted to the NMOCD on September 2, 2021, and is available in the NMOCD Permitting portal under Incident ID nPAC0716533924.

SITE CHARACTERIZATION

Receptors

Tetra Tech performed a site characterization that identified no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Oil and Gas Map online, the site is in an area of low karst potential. Receptor site characterization data is included in **Attachment 1**.

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Depth to Groundwater

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are three (3) water wells within ½ mile of the Site. The average depth to groundwater is 60 feet below ground surface (bgs). The depth to water characterization was approved by the NMOCD in the Remediation Work Plan on March 17, 2023. groundwater data is included in **Attachment 1**.

Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as Kimbrough-Lea complex, dry, 0 to 3 percent slopes, which is classified as a loam soil. The USDA NCRS Soil Map and soil profile are provided in **Attachment 1**.

REGULATORY FRAMEWORK

Based upon the release footprint location 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 Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH), and chloride in soil.

Based on the site characterization approved by the NMOCD Remediation Work Plan, and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site for groundwater between 51 and 100 feet bgs are as follows:

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

Closure Criteria for Soils Impacted by a Release

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

Reclamation Requirements

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

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SITE ASSESSMENT SUMMARY

At the request of COP, Tetra Tech performed a desktop review of available historical aerial imagery revealing evidence of a release extent and apparent remedial activities in the vicinity of the reported release location obtained from the C-141. Tetra Tech subsequently mobilized to the site and performed a visual Site inspection in June 2020 where surface areas in the pasture were observed to have been partially excavated or scraped, and partial vegetative cover was observed in the observed release footprint. Photographic documentation of the visual Site inspection is available from the NMOCD Permitting portal in the previously submitted Remediation Work Plan under Incident ID nPAC0716533924.

Soil Sampling

Tetra Tech personnel returned to Site on behalf of COP in November and December 2020 to conduct assessment soil sampling and delineate the observed release extent. Three (3) borings (BH-1 through BH-3) were installed using an air rotary drilling rig to depths of 20 feet bgs within the interior of the observed release extent to achieve vertical delineation. Four (4) borings (BH-4 through BH-7) were installed with the air rotary drilling rig along the perimeter of the release extent to a depth of 4 feet bgs. Additionally, one (1) hand auger boring (AH-1) was advanced along the perimeter of the release to a depth of 1 foot bgs to complete horizontal delineation of the release. Soils at the Site consist of approximately 1.5 feet of brown silty clay underlain by a caliche cap rock. **Figure 3** depicts the release extent and the 2020 soil boring locations, and soil boring locations coordinates are presented in **Table 1**.

Soils were field screened for salinity using an ExTech EC400 ExStik and for volatile organics using a photoionization detector (PID) to determine sampling intervals. A total of 30 soil samples were collected from the seven (7) borings (BH-1 through BH-6, and AH-1) and submitted to Pace Analytical Laboratory in Mount Juliet, Tennessee (Pace) for analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method 300.0. Laboratory analytical data packages including chain-of-custody documentation are available from the NMOCD Permitting portal in the previously submitted Remediation Work Plan under Incident ID nPAC0716533924.

Assessment Sampling Results

The laboratory analytical results from the November and December 2020 soil sampling events are summarized in **Table 2** screened against Reclamation Requirements. The laboratory analytical results reported chloride at a concentration greater than the Reclamation Requirements at interior soil boring BH-2 in the 2-3 foot sample interval and TPH at concentrations greater than TPH Reclamation Requirements in the 0-1 foot and 2-3 foot sample intervals. Laboratory analytical results for all other assessment soil samples reported constituent concentrations as less than BTEX, TPH, and chloride Reclamation Requirements. Vertical and horizontal delineation was achieved during the November and December 2020 assessment sampling events.

NMOCD-APPROVED REMEDIATION WORK PLAN

On March 17, 2023, NMOCD approved the COP-submitted Remediation Work Plan which proposed to remove the remaining impacted material in the area around sample location BH-2 using heavy equipment to a maximum depth of 4 feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation reported constituent concentrations as less than Reclamation Requirements.

Excavated soils were proposed to be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation bottom and sidewall samples to be collected for verification of remedial activities and analyzed for BTEX, TPH, and chloride. Upon receipt of laboratory analytical results, NMOCD to be notified and then the excavation to be backfilled with clean material to surface grade. The estimated volume of material to be remediated was approximately 2,500 cubic yards.

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CULTURAL RESOURCES SURVEY

To comply with 1.10.15 NMAC and New Mexico State Land Office (NMSLO) requirements, Tetra Tech contracted SWCA Environmental Consultants to perform a Class III Cultural Resources Survey for the remediation area under New Mexico Cultural Resources Investigation System (NMCRIS) Activity No. 84275. Ms. Alissa Healy of SWCA conducted the survey on September 27, 2023, which included an intensive pedestrian survey of the Vacuum ABO 13-3 Flowline Release remediation site and immediate vicinity covering 5.03 acres, which included a 100-ft cultural resources buffer around the location.

No archaeological sites or historic properties were observed during the investigation. No additional investigation or treatment is recommended regarding the current undertaking. No subsurface cultural materials were encountered during remediation. The cover page from the Class III Cultural Resources Survey is included in **Attachment 3**.

ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, COP proposed an alternative confirmation sampling plan including floor and sidewall confirmation sidewall samples to verify remedial activities over the proposed excavation. On March 17, 2023, the NMOCD approved the Remediation Work Plan with conditions for the sampling variance of a sampling density of one sample per every 500 square feet of sidewall and base area.

REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced on February 26, 2024, and concluded on March 15, 2024. Maverick's subcontractor, McNabb used heavy equipment to excavate impacted soil from the remediation areas to maximum depths of 4 feet bgs as shown in **Figure 5**. To avoid potential contact by heavy equipment with pressurized lines within the remediation area, heavy equipment was maintained at a distance of at least 2 feet from pressurized lines where hydro-excavation and hand-digging were employed. McNabb excavated a total of 2,562 cubic yards of contaminated soil from an approximately 14,800 square foot area and transported the soil to R360 Halfway landfill in Lea County, New Mexico for offsite disposal.

Confirmation Sampling Notification

On February 23, 2024, Tetra Tech notified the NMOCD of the initial confirmation sampling through the submission of a C-141N Sampling Notification submission in the NMOCD Permitting portal and provided subsequent sampling notification updates through email to ocd.enviro@emnrd.nm.gov and via submissions of C-141N Sampling Notification submissions in the NMOCD Permitting portal. On February 13, 2024, Tetra Tech notified the NMOCD of final sampling for the final confirmation sampling at the Site performed on February 15, 2024, in accordance with 19.15.29.12(D)(1)(a) NMAC and the Energy, Minerals and Natural Resources Department (EMNRD) Notice *Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions* dated December 1, 2023. Sample notifications are available in the NMOCD Portal under Incident ID nPAC0716533924.

Confirmation Sampling

Upon reaching the final lateral and vertical excavation extents of the excavation, Tetra Tech collected 56 confirmation samples including 31 floor samples and 25 side wall samples from the excavated areas. The remediation excavation confirmation sampling area was comprised of an approximately 14,750 square foot base and 1,900 square feet of sidewall for a total area of 16,650 square feet and a sampling density of approximately one confirmation sample per 300 square feet.

Confirmation samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 CL-B. Laboratory analytical results for submitted confirmation samples reported concentrations of BTEX, TPH, and chloride as less than respective Reclamation

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Requirements for samples collected from depths shallower than 4 feet bgs. For all samples obtained at or below a depth of 4 feet bgs, laboratory analytical results reported constituent concentrations as less than Remediation RRALs and clean margins were demonstrated. Confirmation sampling locations and excavation extents are shown in **Figure 5**.

Confirmation sample laboratory analytical results screened against Reclamation Requirements and RRALs are summarized in **Table 3** and **Table 4** and laboratory analytical data packages including chain of custody documentation are included in **Attachment 4**.

Excavation Backfill

Between March 15 and 18, 2024, subsequent to the receipt of confirmation sample results, McNabb completed backfilling of the excavated areas with 2,373 cubic yards of clean soil, 66 cubic yards sourced from Sutton Pit, 658 cubic yards sourced from Blevins Pit, 630 cubic yards sourced from Berry Pit, and 1,019 cubic yards sourced from Boyd Pit. Photographic Documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 5**.

Reclamation and Revegetation

To restore the impacted surface areas to the condition that existed prior to the release, the excavated areas have been backfilled with clean topsoil, and backfilled and disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition prior to contouring to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns.

Subsequent to restoring topography and contouring the disturbed areas, disturbed areas of the Site were seeded with New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture in accordance with the Site soil profile detailed above in the Site Characterization Section, to aid in vegetation growth to complete reclamation. Seeding was broadcast and raked in per the specifications for broadcast application in pound pure live seed per acre according to the NMSLO Seed Mix Loamy (L) data sheet provided in **Attachment 5**.

CONCLUSION

Based on the results of the confirmation sampling, the impacted soil within the release footprint with chloride concentrations greater than Reclamation Requirements and/or remediation RRALs has been removed and properly disposed of offsite and the excavated area has been backfilled with clean material, graded, and seeded with NMSLO approved seed mixture; therefore, Site remediation is complete. A Reclamation Report for the Site will be submitted to the NMOCD under separate cover containing the NMOCD required information. If you have any questions concerning the remediation activities for the Site, please contact Chris Straub by email at <u>Chris.Straub@tetratech.com</u> or by phone at (832) 251-5180.

Sincerely,

Chie Str.

Chris Straub Project Manager Tetra Tech, Inc.

cc: Bryce Wagoner, Maverick Permian, LLC New Mexico State Land Office

C. hhu

Charles H. Terhune IV, P.G. Program Manager Tetra Tech, Inc.

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LIST OF ATTACHMENTS

Figures

- Figure 1 Site Location Map
- Figure 2 Topographic Map
- Figure 3 Release Extent and Site Assessment Map
- Figure 4 Proposed Remediation Extent
- Figure 5 Remediation Excavation Extent & Confirmation Sampling

Tables

- Table 1 Assessment Soil Boring Locations
- Table 2 Summary of Analytical Results Soil Assessment Sampling
- Table 3 Summary of Shallow Soil Analytical Results Confirmation Sampling
- Table 4 Summary of Deep Soil Analytical Results Confirmation Sampling

Attachments

- Attachment 1 Site Characterization Data
- Attachment 2 Cultural Resource Survey Cover Sheet
- Attachment 3 Laboratory Analytical Data
- Attachment 4 Photographic Documentation
- Attachment 5 Seed Mixture Details

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FIGURES

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TABLES

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TABLE 1 SOIL ASSESSMENT BORING LOCATIONS INCIDENT NPAC0716533924 MAVERICK PERMIAN, LLC Vacuum ABO 13-3 FLOWLINE RELEASE LEA COUNTY, NEW MEXICO

Boring ID	Date	Latitude	Longitude
AH - 1	12/2/2020	32.779881	-103.462966
BH-1	11/17/2020	32.780090	-103.463347
BH-2	11/17/2020	32.780329	-103.463520
BH-3	11/17/2020	32.780573	-103.463669
BH-4	11/17/2020	32.779931	-103.463489
BH-5	11/17/2020	32.781060	-103.463314
BH-6	11/17/2020	32.780693	-103.463901
BH-7	11/17/2020	32.780270	-103.463832

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TABLE 2 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0716533924 MAVERICK PERMIAN, LLC VACCUM ABO 13-3 FLOWLINE RELEASE LEA COUNTY, NEW MEXICO

					BTEX ²						TPH ³										
Comula ID	Comula Data	Sample Depth	Chlorid	e ¹	Damage	_	Taluan		Etherally a series		Total Valor				GRO		DRO		ORO		Total TPH
Sample ID	Sample Date				Benzen	9	Toluene	•	Ethylbenze	ene	Total Xyler	ies	Total BTE	=X	C ₆ - C ₁	0	> C ₁₀ - C	28	> C ₂₈ - C	36	(GRO+DRO+EXT DRO)
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
Reclamation Requ	uirements (19.15.29	NMAC)	600		10								50								100
AH-1	12/2/2020	0.0 - 1.0	< 20.4		0.000495	J	<0.00521		<0.00260		0.00156	J	0.002055		<0.102		3.35	ΒJ	17.5		21
	11/17/2020	0.0 - 1.0	< 20.7		< 0.00107		<0.00537		<0.00269		<0.00698		-		0.0228	ΒJ	< 4.15		0.684	J	0.7068
	11/17/2020	2.0 - 3.0	< 20.9		< 0.00109		< 0.00543		<0.00271		<0.00705		-		0.0237	ΒJ	< 4.17		0.611	J	0.6347
	11/17/2020	4.0 - 5.0	28.1		< 0.00113		<0.00565		<0.00283		<0.00735		-		< 0.107		< 4.26		0.647	J	0.647
BH-1	11/17/2020	6.0 - 7.0	65.9		<0.00111		<0.00557		<0.00279		<0.00724		-		0.0295	ΒJ	< 4.23		0.457	J	0.4865
	11/17/2020	9.0 - 10.0	254		<0.00121		< 0.00607		<0.00303		<0.00789		-		0.027	ΒJ	< 4.43		< 4.43		0.027
	11/17/2020	14.0 - 15.0	61.5		<0.00115		<0.00577		<0.00288		<0.0075		-		0.0276	ΒJ	< 4.31		0.437	J	0.4646
	11/17/2020	19.0 - 20.0	60.6		<0.00118		< 0.00592		<0.00296		<0.0077		-		0.0268	ΒJ	< 4.37		< 4.37		0.0268
	11/17/2020	0.0 - 1.0	187		< 0.00104		<0.00521		<0.00261		<0.00678		-		0.0275	ΒJ	34.7		108		142.7275
	11/17/2020	2.0 - 3.0	605		<0.00111		<0.00557		<0.00278		<0.00724		-		0.031	ΒJ	38.3		118		156.331
	11/17/2020	4.0 - 5.0	344		< 0.00107		<0.00534		<0.00267		<0.00694		-		0.031	ΒJ	17.1		55.6		72.731
BH-2	11/17/2020	6.0 - 7.0	501		< 0.00112		<0.00561		<0.00281		<0.0073		-		0.031	ΒJ	< 4.24		< 4.24		0.031
	11/17/2020	9.0 - 10.0	104		<0.00116		<0.00581		<0.00291		<0.00755		-		0.0299	ΒJ	< 4.32		0.476	J	0.5059
	11/17/2020	14.0 - 15.0	45.3		<0.00117		<0.00584		<0.00292		<0.00759		-		0.0285	ΒJ	< 4.33		0.926	J	0.9545
	11/17/2020	19.0 - 20.0	55.3		<0.00108		< 0.00538		<0.00269		<0.00699		-		0.0244	ΒJ	< 4.15		3.44	J	3.4644
	11/17/2020	0.0 - 1.0	71.8		<0.00108		<0.00539		<0.0027		<0.00701		-		0.0265	ΒJ	6.1		21		27.1265
	11/17/2020	2.0 - 3.0	85.7		< 0.00104		<0.00522		<0.00261		<0.00678		-		0.029	ΒJ	< 4.09		2.97	J	2.999
	11/17/2020	4.0 - 5.0	403		< 0.00111		<0.00557		<0.00278		<0.00724		-		0.0929	ΒJ	< 4.23		0.753	J	0.8459
BH-3	11/17/2020	6.0 - 7.0	54.1		< 0.0012		<0.00599		<0.00299		<0.00778		-		0.104	ΒJ	< 4.39		0.5	J	0.604
	11/17/2020	9.0 - 10.0	43.4		< 0.00112		<0.00561		<0.00281		<0.00730		-		0.0791	ΒJ	< 4.24		0.491	J	0.5701
	11/17/2020	14.0 - 15.0	22.4		< 0.00107		<0.00534		<0.00267		<0.00694		-		0.148	В	< 4.14		0.562	J	0.71
	11/17/2020	19.0 - 20.0	70.4		< 0.00101		<0.00506		<0.00253		<0.00658		-		0.102	В	< 4.02		< 4.02		0.102
BH-4	11/17/2020	0.0 - 1.0	< 21.4		< 0.00114		<0.00569		<0.00285		<0.00740		-		0.124	В	3.38	J	8.47		11.974
DП-4	11/17/2020	3.0 - 4.0	10.7		< 0.00112		<0.0056		<0.0028		<0.00728		-		0.167	В	5.7		9		14.867
BH-5	11/17/2020	0.0 - 1.0	< 20.6		< 0.00106		<0.00529		< 0.00264		<0.00687		-		0.135	В	2.75	J	11.8		14.685
C-LID	11/17/2020	3.0 - 4.0	< 20.7		< 0.00107		< 0.00535		< 0.00267		<0.00695		-		0.236	В	< 4.14		1.16	J	1.396
	11/17/2020	0.0 - 1.0	< 20.4		< 0.00104		<0.00518		<0.00259		< 0.00674		-		0.104	В	6.44		21.5		28.044
BH-6	11/17/2020	3.0 - 4.0	14.7		< 0.00104		< 0.0052		< 0.00260		< 0.00676		-		0.0433	ΒJ	< 4.08		5.94		5.9833
рц с	11/17/2020	0.0 - 1.0	< 20.5		< 0.00105		<0.00526		< 0.00263		< 0.00683		-		0.11	В	< 4.10		5.2		5.31
BH-6	11/17/2020	3.0 - 4.0	< 21.4		< 0.00114		< 0.00571		<0.00285		< 0.00742		-		0.382	В	< 4.28		1.19	J	1.572

NOTES:

bgs: Below ground surface mg/kg: Milligrams per kilogram TPH: Total Petroleum Hydrocarbons GRO: Gasoline Range OrganicsDRO: Diesel Range OrganicsORO: Oil Range Organics

1: Method 300.0 2: Method 8021B

3: Method 8015M

Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).

B: The same analyte was detected in the associated blank, result is biased high

J: The identification of the analyte is acceptable and the reported concentration is an estimate

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TABLE 3 SUMMARY OF ANALYTICAL RESULTS SHALLOW SOIL CONFIRMATION SAMPLING - INCIDENT NPAC0716533924 MAVERICK PERMIAN, LLC VACCUM ABO 13-3 FLOWLINE RELEASE LEA COUNTY, NEW MEXICO

								BTEX ²								TPH ³			
Sample ID	Sample Date	Sample Depth	Chloride ¹	Benzen		Toluene		Ethylhonzo		Total Vulance	Tot	al BTE	v	GRO		DRO		EXT DRO	Total TPH
Sample ID	Sample Date			Delizeli	e	Toluelle	-	Ethylbenze	ine	Total Xylenes	TOL		-	C ₆ - C ₁₀		> C ₁₀ - C ₂	28	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO)
		feet bgs	mg/kg Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg Q	mg	g/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg Q	mg/kg
Reclamation Req	uirements (19.15.29	NMAC)	600	10							5	50							100
WS - 1	3/13/2024	0.0-4.0	<16.0	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 2	3/13/2024	0.0-4.0	16	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 3	3/13/2024	0.0-4.0	16	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 4	3/13/2024	0.0-4.0	32	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 5	3/8/2024	0.0-4.0	32	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 6	3/8/2024	0.0-4.0	80	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 7	3/8/2024	0.0-4.0	32	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 8	3/8/2024	0.0-4.0	80	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 9	3/8/2024	0.0-4.0	64	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 10	3/1/2024	0.0-4.0	<16.0	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 11	3/1/2024	0.0-4.0	<16.0	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 12	3/1/2024	0.0-4.0	16	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 13	3/1/2024	0.0-4.0	16	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 14	3/1/2024	0.0-4.0	48	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 15	3/1/2024	0.0-4.0	64	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 16	3/1/2024	0.0-4.0	48	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 17	3/1/2024	0.0-4.0	32	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 18	3/1/2024	0.0-4.0	64	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 19	3/7/2024	0.0-4.0	208	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 20	3/12/2024	0.0-4.0	64	<0.050		<0.050		<0.050		<0.150		.300		<10.0		<10.0		<10.0	-
WS - 21	3/12/2024	0.0-4.0	112	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 22	3/12/2024	0.0-4.0	16	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 23	3/12/2024	0.0-4.0	48	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 24	3/12/2024	0.0-4.0	<16.0	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-
WS - 25	3/12/2024	0.0-4.0	<16.0	<0.050		<0.050		<0.050		<0.150	<0.	.300		<10.0		<10.0		<10.0	-

NOTES:

bgs: Below ground surface mg/kg: Milligrams per kilogram TPH: Total Petroleum Hydrocarbons GRO: Gasoline Range OrganicsDRO: Diesel Range OrganicsORO: Oil Range Organics

1: Method SM4500CI-B 2: Method 8021B Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).

3: Method 8015M



TABLE 4 SUMMARY OF ANALYTICAL RESULTS **DEEP CONFIRMATION SAMPLING - INCIDENT NPAC0716533924** MAVERICK PERMIAN, LLC Vacuum ABO 13-3 FLOWLINE RELEASE LEA COUNTY, NEW MEXICO

									BTEX ²										Т	PH ³		
		Sample Depth	Chloride	e ¹			-		E (1 1		T (1 V 1		T (DT		GRO		DRO		EXT DR	0	ТРН	Total TPH
Sample ID	Sample Date				Benzen	Ð	Toluene		Ethylbenzen	ne	Total Xylene	es	Total BTI	=X	C ₆ - C ₁₀		> C ₁₀ - C	28	> C ₂₈ - C	36	GRO+DRO	GRO+DRO+EXT DRO
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg (Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
RRALs (Table I 19	.15.29.12 NMAC		10,000		10								50								1,000	2,500
BH - 1 (4')	3/12/2024	4.0 - 4.5	864		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		40.3		<10.0		40.3	40.3
BH - 2 (4')	3/12/2024	4.0 - 4.5	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 3 (4.0')	3/8/2024	4.0 - 4.5	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.7		<10.0		21.7	21.7
BH - 4 (4.0')	3/8/2024	4.0 - 4.5	800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 5	-	-									Sampling	g n	iumber skip	ped	in sampling	sche	eme					
BH - 6 (4')	3/12/2024	4.0 - 4.5	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		115		58.5		115	173.5
BH - 7 (4')	3/12/2024	4.0 - 4.5	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 8 (4.0')	3/8/2024	4.0 - 4.5	496		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 9 (4.0')	3/8/2024	4.0 - 4.5	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 10	3/12/2024	4.0 - 4.5	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 11	3/12/2024	4.0 - 4.5	1,760		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 12	3/12/2024	4.0 - 4.5	432		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 13	3/12/2024	4.0 - 4.5	976		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		31.5		<10.0		31.5	31.5
BH - 14	3/12/2024	4.0 - 4.5	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 15 (4.0')	2/29/2024	4.0 - 4.5	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 16	3/12/2024	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 17	3/12/2024	4.0 - 4.5	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 18 (4.0')	3/7/2024	4.0 - 4.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 19 (4.0')	3/7/2024	4.0 - 4.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 20 (4.0')	2/29/2024	4.0 - 4.5	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 21	3/12/2024	4.0 - 4.5	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		21.7		<10.0		21.7	21.7
BH - 22 (4')	3/12/2024	4.0 - 4.5	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		26.3		<10.0		26.3	26.3
BH - 23 (4.0')	3/7/2024	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 24 (4.0')	3/7/2024	4.0 - 4.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 25 (4')	3/4/2024	4.0 - 4.5	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 26 (4.0')	2/29/2024	4.0 - 4.5	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 27 (4.0')	3/7/2024	4.0 - 4.5	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 28 (4.0')	3/1/2024	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 29 (4.0')	3/1/2024	4.0 - 4.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 30 (4.0')	3/1/2024	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 31 (4')	3/4/2024	4.0 - 4.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH - 32 (4')	3/4/2024	4.0 - 4.5	16		<0.050		< 0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

NOTES:

bgs: Below ground surface mg/kg: Milligrams per kilogram TPH: Total Petroleum Hydrocarbons ORO: Oil Range Organics

GRO: Gasoline Range Organics DRO: Diesel Range Organics

1: Method SM4500CI-B 2: Method 8021B

3: Method 8015M

Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC. Areas that were over excavated and resampled to achieve clean margins.

Maverick Permian, LLC March 22, 2024

ATTACHMENT 1 – SITE CHARACTERIZATION DATA

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer	(R=POI been re O=orpha	placed,														
serves a water right file.)	C=the fi closed)	le is	(quarters are 1=NW (quarters are smalles largest)								IAD83 UTM in	matar	.)	(In feet)		
	,	POD		10	arge	51)				(IV		meters	<i>)</i>	(11166	51)	
		Sub-	- .		Q		_		_				_			ater
POD Number _ 04631	Code	basin	County LE						Rng 35E	X 643465	-	Dis	tanceDej 511	pthWellDept 140	hWaterCo 60	olum 8
04586		L	LE		3				35E	644065			518	125	50	7
_ 04498		L	LE		3	1 04	18	BS	35E	643373	3627790* 🧧		566	128	70	5
											Ave	rage D	epth to W	ater:	60 fee	ət
												0	' nimum De		50 fee	ət
												Ма	ximum De	pth:	70 fee	ət
Record 3 Count: UTMNAD83 Radiu	us Search	<u>(in met</u>	<u>ers):</u>													
Easting (X): 64	3893.93		North	ning	3 (Y)	362	2801	2.9	3		Radius: 800					

WATER



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(quar					IE 3=SW largest)	,	3 UTM in meters)		(In feet	t)
POD Number	POD Sub- Code basin C	ounty	Q Q 64 16	-	Sec	Tws	Rng	х	Y	-	-	Water Column
L 04206	L	LE	3	4	04	18S	35E	644194	3626992* 🌍	125	50	75
L 04498	L	LE	3	1	04	18S	35E	643373	3627790* 🌍	128	70	58
L 04631	L	LE	2 1	1	04	18S	35E	643465	3628292* 🌍	140	60	80
									Average Depth to	Water:	60 f	eet
									Minimum	Depth:	50 f	eet
									Maximum	Depth:	70 f	eet
Record Count: 3												

PLSS Search:

Section(s): 4

Township: 18S

Range: 35E

*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.



1RP-1409



Received by OCD: 3/22/2024 1:18:37 PM



USDA Natural Resources Conservation Service Released to Imaging: 3/28/2024 1:36:06 PM Web Soil Survey National Cooperative Soil Survey 3/21/2024 Page 1 of 3



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
КU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	2.3	100.0%
Totals for Area of Interest		2.3	100.0%



Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46 Elevation: 2,500 to 4,800 feet Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent *Lea and similar soils:* 25 percent *Minor components:* 30 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Kimbrough

Setting

Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Concave, linear Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam Bw - 3 to 10 inches: loam Bkkm1 - 10 to 16 inches: cemented material Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

Description of Lea

Setting

Landform: Plains Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam Bk - 10 to 18 inches: loam Bkk - 18 to 26 inches: gravelly fine sandy loam Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Hydric soil rating: No

Minor Components

Kenhill

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY038TX - Clay Loam 12-17" PZ Hydric soil rating: No Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

Page 28 of 133

Douro

Percent of map unit: 12 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY047TX - Sandy Loam 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Linear Ecological site: R077DY049TX - Very Shallow 12-17" PZ Other vegetative classification: Unnamed (G077DH000TX) Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 20, Sep 6, 2023



Maverick Permian, LLC March 22, 2024

ATTACHMENT 2 – CULTURAL RESOURCE SURVEY COVER SHEET

Report run on: Oct 10, 2023 03:00 PM

NMCRIS Investigation Abstract Form (NIAF)								
NMCRIS Activity No. 1539	942 HPD Log No(s). Registration							
Lead Agency:	NM State Land Office							
Performing Agency: Activity ID:	SWCA Environmental Consultants 84275							
Performing Agency Report No:	23-668							
Other Agencies:								
Report Recipient (Your Client):	Tetra Tech, Inc.							
Activity Types:	 Research Design Archaeological Survey/Inventory Architectural Survey/Inventory Test Excavation Monitoring Collections/Non-Field Study Compliance Decision Literature Review Overview Excavation Ethnographic Study Resource/Property Visit Historic Structures Report Other: 							
Total Survey Acreage:	5.03							
Total Tribal Acreage:	0.00							
Total Resources Visited:	0							

Maverick Permian, LLC March 22, 2024

ATTACHMENT 3 – LABORATORY ANALYTICAL DATA



March 04, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 02/29/24 14:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

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

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/04/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 15 (4.0') (H241018-01)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2024	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	03/01/2024	ND	185	92.7	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	198	99.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	65.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.1	% 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 whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/04/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 20 (4.0') (H241018-02)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/01/2024	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	03/01/2024	ND	185	92.7	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	198	99.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	72.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/04/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 26 (4.0') (H241018-03)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/01/2024	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	03/01/2024	ND	185	92.7	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/01/2024	ND	198	99.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	03/01/2024	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Released to Imaging: 3/28/2024 1:36:06 PM



March 06, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/01/24 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 28 (4.0') (H241033-01)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 30 (4.0') (H241033-02)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 29 (4.0') (H241033-03)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 10 (H241033-04)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 11 (H241033-05)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 12 (H241033-06)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 13 (H241033-07)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 14 (H241033-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 15 (H241033-09)

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	03/06/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/06/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/06/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/06/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/06/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 16 (H241033-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 17 (H241033-11)

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	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/01/2024	Sampling Date:	03/01/2024
Reported:	03/06/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Dionica Hinojos
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 18 (H241033-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2024	ND	2.02	101	2.00	7.29	
Toluene*	<0.050	0.050	03/01/2024	ND	2.09	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	03/01/2024	ND	2.04	102	2.00	5.09	
Total Xylenes*	<0.150	0.150	03/01/2024	ND	6.19	103	6.00	4.73	
Total BTEX	<0.300	0.300	03/01/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	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	03/04/2024	ND	204	102	200	3.65	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	191	95.5	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager

		elinquished by:		elipquished by:	less	eiiiiquistied by:	10 V	9	8	2	6	5	4	Cu	-	1	(LAB USE)	LAB #	Haylos		Comments:	Receiving Laboratory:	Invoice to:	(county, state)	Project Name:	Client Name:	Page
		Date: Time:		Date: Time:	FK.L V 3-1-24	Date: Time: 1'200	VS-16	WS-15	WS-14	WS-13	WS-12	WS-11	WS-10	BH-29 (4.0')	BH-30 (4.0')	BH-28 (4.0')		SAMPLE IDENTIFICATION	6	Include : Chris Straub Chris.Straub@tetratech.com	Cardinal Labs	Attn: Chuck Terhune		Lea County, NM	Vacuum ABO Battery 13-3	Maverick Natural Resources	Tetra Tech, Inc.
		Received by:	PA	Received by:			3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	3/1/2024	DATE	YEAR: 2023	SAMPLING		Sampier Signature:	Camples Cinnet		Project #:	chuck	Site Manager:	
			5				×	×	×	×	×	×	×	×	×	×	WATER	2	MATRIX		Jorge			212C	281-755-8965 chuck.terhune@tetratech.com	Chuck Terhune	901 W Mid Fax
		Date: Time:	hc/III	Date: Time:			×	×	×	×	×	x	×	×	×	_	HCL HNO3 ICE		PRESERVATIVE		Fernandez			212C-MD-03390	-8965 tratech.com	erhune	901 W Wall Street, Ste 1:0 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
		E	12:00							_		-				-	# CONT		RS								
- 1	#140 Special Rep			X RUSH:		I AR ISE REMARKS:										X .	BTEX 80 TPH TX1 TPH 801 PAH 827 Total Met TCLP Me TCLP Me TCLP Se RCI GC/MS V GC/MS S	21B 1005 (5M (0 0C als Ag tals A atiles mi Vol ol. 82 emi. V	BTEX Ext to C GRO - C AS Ba g As Ba g As Ba atiles 260B / 6 /ol. 827	35) DRO - O Cd Cr F I Cd Cr I	RO - M Pb Se H Pb Se H	g				ANALYSIS	
S Tracking #:	Special Report Limits or TRRP Report	Kush Charges Authonized		Same Day 24 hr 48 H		Standard TAT	×	×	×	×	×	×	× 3	× 1	×	X O	PCB's 80 NORM PLM (Asb Chloride Chloride General N Anion/Ca	estos) Sul Water) Ifate Chem		e attac	ched	list)		Method No.)		
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		Date: Time: 1200 Date: Time: 1200						SAMPLE IDENTIFICATION		Include : Chris Straub Chris.Straub@tetratech.com	Cardinal Labs	Attn: Chuck Terhune	Lea County, NM	Vacuum ABO Battery 13-3	Maverick Natural Resources	Tetra Tech, Inc.
	NALL AND	Received hy	r -		3/1/2024	3/1/2024	DATE	YEAR: 2023	SAMPLING		Sampler Signature:		Project#:		Site Manager:	
	12				×	x	WATER	2	MATRIX		Jorge I		212C-I	281-755-8965 chuck.terhune@tetratech.com	Chuck Terhune	901 W V Midla Tel (Fax (
	Date: Time:				×	×	HCL HNO ₃ ICE		PRESERVATIVE		Fernandez		212C-MD-03390	3965 atech.com	rhune	901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
	00			Ħ			# CONT		-							
HIUD (Circle) HAND DELN	Sample Temperature	LAB USE ONLY				××	BTEX 80 TPH TX TPH 801 PAH 827 Total Met	021B 1005 (5M (0 70C tals Ag	BTEX Ext to C GRO - I	C35) DRO - C Cd Cr F	PRO - MI	1			0	
DELIVERED FEDEX							TCLP Me TCLP Vo TCLP Se RCI GC/MS V	latiles mi Vol ol. 82	atiles 60B / 6	24		9		le or speci	ANALYSIS	
Special Report Limits or TRRP Report FEDEX UPS Tracking #:	Rush Charges Authorized	d l			×	×	GC/MS S PCB's 80 NORM PLM (Asb Chloride Chloride)82 / 6 pestos))	TDS				ty Method N		
RRP Repor	17 48 hr X					(General N Anion/Ca	Water	Chem	istry (se	e attac	ned list)	No.)		

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March 05, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/04/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/04/2024	Sampling Date:	03/04/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH 24 (4') (H241063-01)

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	03/04/2024	ND	2.13	107	2.00	9.56	
Toluene*	<0.050	0.050	03/04/2024	ND	2.10	105	2.00	9.50	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.04	102	2.00	9.44	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	5.94	99.0	6.00	9.90	
Total BTEX	<0.300	0.300	03/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/05/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2024	ND	241	121	200	0.0896	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	223	111	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.2	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/04/2024	Sampling Date:	03/04/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH 25 (4') (H241063-02)

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	03/04/2024	ND	2.13	107	2.00	9.56	
Toluene*	<0.050	0.050	03/04/2024	ND	2.10	105	2.00	9.50	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.04	102	2.00	9.44	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	5.94	99.0	6.00	9.90	
Total BTEX	<0.300	0.300	03/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/05/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2024	ND	241	121	200	0.0896	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	223	111	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/04/2024	Sampling Date:	03/04/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH 31 (4') (H241063-03)

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	03/04/2024	ND	1.94	97.0	2.00	5.22	
Toluene*	<0.050	0.050	03/04/2024	ND	2.13	107	2.00	10.5	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.22	111	2.00	9.81	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	6.59	110	6.00	9.58	
Total BTEX	<0.300	0.300	03/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/05/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2024	ND	241	121	200	0.0896	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	223	111	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.7	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/04/2024	Sampling Date:	03/04/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH 32 (4') (H241063-04)

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	03/04/2024	ND	1.94	97.0	2.00	5.22	
Toluene*	<0.050	0.050	03/04/2024	ND	2.13	107	2.00	10.5	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.22	111	2.00	9.81	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	6.59	110	6.00	9.58	
Total BTEX	<0.300	0.300	03/04/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/05/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	241	121	200	0.0896	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	223	111	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	71.8	% 49.1-14	8						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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.
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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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 whatscever 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 whose 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 whose share there applied by the services arise 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. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

Received by OCD: 3/22/2024 1:18:37 PM

Released to Imaging: 3/28/2024 1:36:06 PM

101 East Marland (575) 393-2326	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		BILL TO		ANALYSIS	YSIS REQUEST
	hav	P.O. #:				
Address:	1101-	Com	company: Mauenic	r		
Address: City:	State: Zip:	Attn:	Attn: Bryce Wagoner	ner		
tran #		Address:	ess:			
Project #: AIAC-MD-02>90		City:	Hobbys			
Project Name: VA LUNN ABO) Patt 13-3	State:	:: Zip:			
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RS		Fax	**			
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PLEASE NOTE: Liability and Damagos. Cardhold's liability a	nd 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 ever that be deviced unless made in writing and received by Cardinal within 30 days after completion of the app	shall be limited to the amount paid ed by Cardinal within 30 days atter	unt paid by the client for the applicable are completion of the applicable		
envice. In no event shall Cardenal be leaded to the performant inflates or successors arising out of or related to the performant Rejiaquished By:	Date:	inverder by Cardnal, regardless of whether such claim is based upon any of the above stated reason of Othermeu- 1/1/3/1 Received By: ////////////////////////////////////	d upon any of the above stated real	6 7	Dease provid	Add'I Phone #: le Email address:
Valuador	Time Julian Boo	Jouron By:	Mater			
Relinquished By:		Received By:				Bacteria (only) Sample Condition
Delivered By: (Circle One)	Observed Temp. °C 1.8	Sample Condition Cool Intact Yes Yes	(Initials)	Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Rush All	Cool Intact Observed Temp. °C



March 08, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 13:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 18 (4.0') (H241168-01)

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	03/07/2024	ND	2.16	108	2.00	1.58	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	1.55	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	1.48	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	186	93.1	200	2.31	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.1	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 19 (4.0') (H241168-02)

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	03/07/2024	ND	2.16	108	2.00	1.58	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	1.55	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	1.48	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	186	93.1	200	2.31	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	196	98.1	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 23 (4.0') (H241168-03)

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	03/07/2024	ND	2.16	108	2.00	1.58	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	1.55	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	1.48	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 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	<16.0	16.0	03/08/2024	ND	448	112	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	03/08/2024	ND	186	93.1	200	2.31	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	196	98.1	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 24 (4.0') (H241168-04)

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	03/07/2024	ND	2.16	108	2.00	1.58	
Toluene*	<0.050	0.050	03/07/2024	ND	2.12	106	2.00	1.55	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.05	103	2.00	1.47	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	1.48	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	<i>93.7</i>	% 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	304	16.0	03/08/2024	ND	448	112	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	03/08/2024	ND	186	93.1	200	2.31	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	196	98.1	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 27 (4.0') (H241168-05)

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	03/07/2024	ND	1.93	96.4	2.00	1.53	
Toluene*	<0.050	0.050	03/07/2024	ND	2.01	101	2.00	0.946	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	0.533	
Total BTEX	<0.300	0.300	03/07/2024	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	80.0	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	192	95.9	200	5.61	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	201	100	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.5	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/07/2024	Sampling Date:	03/07/2024
Reported:	03/08/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: SW - 19 (H241168-06)

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	03/07/2024	ND	1.93	96.4	2.00	1.53	
Toluene*	<0.050	0.050	03/07/2024	ND	2.01	101	2.00	0.946	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	1.93	96.7	2.00	0.372	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	5.96	99.3	6.00	0.533	
Total BTEX	<0.300	0.300	03/07/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	208	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	192	95.9	200	5.61	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	201	100	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

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 whatscever 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 whose 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 whose share there applied by the services arise 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. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 3/22/2024 1:18:37 PM

Page 69 of 133 Project Location: (county, state) Client Name: roject Name omments: leceiving Laboratory Relinquished by voice to: Relinquished by Relinquished by 1241168 LAB USE LAB # 井 4 U 2 SW-19 BH-19 (4.0') BH-18 (4.0") Include : Chris Straub Chris.Straub@tetratech.com BH-27 (4.0') BH-24 (4.0") BH-23 (4.0") Lea County, NM Maverick Natural Resources Cardinal Labs Attn: Chuck Terhune Vacuum ABO Battery 13-3 Tetra Tech, Inc. SAMPLE IDENTIFICATION Date: Date Date: Time: Time Ime N 4 0 Site Manager Sampler Signature Project #: ORIGINAL COPY Received by: Received by AR: 2023 3/7/2024 3/7/2024 3/7/2024 3/7/2024 3/7/2024 3/7/2024 DATE SAMPLING chuck. TIME ter hune@tetratech.com Chuck Terhune 281-755-8965 WATER MATRIX 901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 212C-MD-03390 × × × × SOIL Jorge Fernandez × × HCL Date Date METHOD HNO: × × ICE × × × I ime Inte S # CONTAINERS l FILTERED (Y/N) **BTEX 8260B** BTEX 8021B × × × (Circle) HAND DELIVERED S.9 c TPH TX1005 (Ext to C35) LAB USE TPH 8015M (GRO - DRO - ORO - MRO) ONLY × × × × × 16 **Circle or Specify** PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg ANALYSIS REQUEST TCLP Volatiles REMARKS: TCLP Semi Volatiles RUSH: Rush Charges Authorized RCI Special Report Limits or TRRP Report FEDEX GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 UPS PCB's 8082 / 608 Same Dat Method Standard TAT NORM Page PLM (Asbestos) Tracking #: Chloride × × × × × 24 hr No TDS Sulfate Chloride General Water Chemistry (see attached list) 48 hr 72 hr Anion/Cation Balance Q. Page 9 of 9 Hold



March 12, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/11/24 12:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 5 (H241213-01)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	24						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/12/2024	ND	448	112	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	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	18						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 6 (H241213-02)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/12/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 7 (H241213-03)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/12/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2024	ND	216	108	200	1.19	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	205	103	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 8 (H241213-04)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/12/2024	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99 .7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 9 (H241213-05)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 3 (4.0') (H241213-06)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	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	224	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	21.7	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 4 (4.0') (H241213-07)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	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	800	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 8 (4.0') (H241213-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	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	496	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/11/2024	Sampling Date:	03/08/2024
Reported:	03/12/2024	Sampling Type:	Solid
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 9 (4.0') (H241213-09)

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	03/11/2024	ND	2.09	105	2.00	2.34	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	2.45	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	2.37	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.18	103	6.00	2.35	
Total BTEX	<0.300	0.300	03/11/2024	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	256	16.0	03/12/2024	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	03/11/2024	ND	216	108	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	226	113	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 3/22/2024 1:18:37 PM

Page 81 of 133 Pro (co) Invo Rec Pro Clie

	Relinquished by	: 3/22/2 Relinquished by	Relinquished by:	8:3	~	8	L	6	S	4	S	٥	1	(LAB USE)	LAB#	In In	Comments:	Receiving Laboratory:	Invoice to:	Project Location (county, state)	Project Name:	Client Name:	Page
	yy: Date: Time:	y: Date: Time:	I Ronder M.		BH-9 (4.0')	BH-8 (4.0')	BH-4 (4.0')	BH-3 (4.0')	6-M/S	SW-8	SW-7	SW-6	SW-5 ULFU	WS 3-11-24	SAMPLE IDENTIFICATION		Include : Chris Straub Chris.Straub@tetratech.com	ratory: Cardinal Labs	Attn: Chuck Terhune	n: Lea County, NM	Vacuum ABO Battery 13-3	Maverick Natural Resources	Tetra Tech, Inc.
	Received by:	Received by:	11-25		3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	3/8/2024	DATE	YEAR: 2023	SAMPLING		Sampler Signature:		Project #:		Site Manager:	IC.
	Date:	Date	ora allas		×	×	×	×	×	×	×	×	×	WATEF SOIL HCL HNO3	2	MATRIX PRE		Jorge Fernandez		212C-MD-03390	281-755-8965 chuck.terhune@tetratech.com	Chuck Terhune	901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
	Time:	Jine	Sec 3-11-24		×	×	×	×	×	×	×	×	×	ICE # CONT FILTER				ndez		390	com		Ste 100 19701 1559 3946
(Circle) HAND DELN	#140	Sample Temperature	LAB USE ONLY		××	×	××	×	×	×××	×	×××	×	BTEX 8 TPH TX TPH 80 PAH 82 Total Me	021B 1005 15M (70C etals A	BTE (Ext to GRO	C35)	DRO - M	łg			(Circle	
DELIVERED FEDEX UPS	Special Repo	Rush Ch	Diller Can	E										TCLP Vo TCLP Se RCI GC/MS GC/MS PCB's 8	Vol. 8 Semi.	s platiles 260B Vol. 8	3				_	ANALYSIS RE	
Tracking #:	Special Report Limits or TRRP Report		Standard IAI		×	×	×	×	×	×	×	×	×	NORM PLM (As Chloride Chloride Genera Anion/C	e S I Wate	ulfate er Che	emistry (see att	ached	ist)		QUEST Method No.)	
	vort		73 6	E				F	-			-		Hold		_					=	P	age 12 o

Released to Imaging: 3/28/2024 1:36:06 PM



March 13, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/12/24 14:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 20 (H241249-01)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 21 (H241249-02)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH-22 (4') (H241249-03)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	26.3	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 23 (H241249-04)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 24 (H241249-05)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.7	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 25 (H241249-06)

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	03/12/2024	ND	2.14	107	2.00	0.920	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	0.974	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.07	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.29	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/13/2024	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	03/13/2024	ND	211	105	200	0.355	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	210	105	200	0.421	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 1 (4') (H241249-07)

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	03/12/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/12/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/13/2024	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	03/12/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	40.3	10.0	03/12/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 2 (4') (H241249-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/12/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/13/2024	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	03/12/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 6 (4') (H241249-09)

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	03/12/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/12/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/13/2024	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	03/12/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	115	10.0	03/12/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	58.5	10.0	03/12/2024	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 7 (4') (H241249-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/12/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/13/2024	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	03/12/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 10 (H241249-11)

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	03/12/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/12/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/12/2024	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	320	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 11 (H241249-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	1760	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 12 (H241249-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	432	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 13 (H241249-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	976	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	31.5	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 14 (H241249-15)

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	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	448	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 16 (H241249-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 17 (H241249-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	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	160	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: BH - 21 (H241249-18)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	21.7	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	97.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/12/2024	Sampling Date:	03/12/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 22 (H241249-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2024	ND	1.93	96.6	2.00	5.43	
Toluene*	<0.050	0.050	03/13/2024	ND	2.01	100	2.00	4.42	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	1.97	98.7	2.00	4.58	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.00	99.9	6.00	4.41	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	03/13/2024	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	03/13/2024	ND	180	90.1	200	6.09	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	193	96.3	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND AN/ALYSIS REQUEST

Released to Imaging: 3/28/2024 1:36:06 PM

Received by (CD: 3/22/2024 1:18:37 PM
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 | State: Zip: Attn: Bryce in)-
 | Pax#: Address: | Project Owner: City:
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 | By and Damages. Cardinal's lability and client's ancluaive namedy for any claim solved in whether beard in contract or ford, shall be small to the annount pave by the capture can not an
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Released to Imaging: 3/28/2024 1:36:06 PM

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March 14, 2024

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

RE: VACUUM ABO BATTERY 13-3

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 1 (H241283-01)

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	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/14/2024	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	03/13/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	121 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 2 (H241283-02)

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	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/14/2024	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	03/13/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/13/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/13/2024	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 3 (H241283-03)

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	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/14/2024	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	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	102 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 %	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Analytical Results For:

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

Received:	03/13/2024	Sampling Date:	03/13/2024
Reported:	03/14/2024	Sampling Type:	Soil
Project Name:	VACUUM ABO BATTERY 13-3	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03390	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK NR - LEA CO NM		

Sample ID: WS - 4 (H241283-04)

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	03/13/2024	ND	2.29	115	2.00	0.318	
Toluene*	<0.050	0.050	03/13/2024	ND	2.25	113	2.00	0.0420	
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.21	111	2.00	0.131	
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.46	108	6.00	0.227	
Total BTEX	<0.300	0.300	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/14/2024	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	03/14/2024	ND	225	112	200	1.23	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	221	110	200	4.39	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					
Surrogate: 1-Chlorooctane	117 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	134 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Site Remediation Report and Closure Request Vacuum ABO 13-3 Flowline Release Incident ID# nPAC0716533924 Maverick Permian, LLC March 22, 2024

ATTACHMENT 4 – PHOTOGRAPHIC DOCUMENTATION



© 10°N (T) LAT: 32.780212 LON: -103.463309 ±3m ▲ 1198m

Site Remediation letra Tech

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Site Remediation Tetra Tech



Maverick-Vacuum ABO 13-3 Mar 01 2024, 10:42:02 MST



e Remediation eira leeh



Maverick-Vacuum ABO 13-3 Mar 01 2024, 10:42:06 MST



nediatio 2 etra lech



ABO 13-3

:42:11 MST

O 107°E (T) LAT: 32.780221 LON: -103.463438 ±4m ▲ 1203m

90

Site Remediation Tetra Tech Released to Imaging: 3/28/2024 1:36:06 PM

NE

60

30

SE

150

120

180

Maverick- Vacuum ABO 13-3 Mar 07 2024, 11:56:42 MST



Ø 333°NW (T) LAT: 32.780182 LON: -103.463362 ±4m ▲ 1208m



NE 30 • I • I • I • I • I • I • I 362 ±4m ▲ 1208m

Maverick- Vacuum 13-3 Mar 13 2024, 10:45:39 MDT



© 234°SW (T) LAT: 32.780487 LON: -103.463484 ±3m ▲ 1210m

Site Remediation Tetra Tech





© 211°SW (T) LAT: 32.780462 LON: -103.463427 ±3m ▲ 1210m

180

Site Remediation Tetra Tech

SE

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120



SW

240

Maverick- Vacuum 13-3 13 2024, 10:46:31 MDT

© 214°SW (T) LAT: 32.780358 LON: -103.463334 ±4m ▲ 1209m

180

SW

240

210

Site Remediat Tetra Tech

SE

150

20

270 300



Site Remediation Report and Closure Request Vacuum ABO 13-3 Flowline Release Incident ID# nPAC0716533924 Maverick Permian, LLC March 22, 2024

ATTACHMENT 5 – SEED MIXTURE DETAILS

NMSLO Seed Mix

Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX	
Grasses:				
Black grama	VNS, Southern	1.0	D	
Blue grama	Lovington	1.0	D	
Sideoats grama	Vaughn, El Reno	4.0	F	
Sand dropseed	VNS, Southern	2.0	S	
Alkali sacaton	VNS, Southern	1.0		
Little bluestem	Cimarron, Pastura	1.5	F	
<u>Forbs:</u> Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D	
Shrubs:	8 0 0	4	B	
Fourwing saltbush	Marana, Santa Rita	1.0		
Common winterfat	VNS, Southern	0.5	F	
	Total PLS/acr	e 18.0	8 B	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.



Version 1.1 – 2018

New Mexico State Land Office Southeastern New Mexico Revegetation Handbook

SLO Seed Mix

3 REVEGETATION PLANS & SEEDING

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

REVEGTATION PLANS	CODE	SOIL TEXTURES
Clay	С	Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)
Loam	L	Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam
Sandy Loam	SL	Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam
Gypsum	LG	
Shallow	SH	Rocky Loam, Cobbly Loam
Course	CS	Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam
Sandy	S	Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand
Blow Sand	BS	Fine Sand, Sand, Coarse Sand
Mountain Meadow	MM	Clay, Loam
Mountain Upland	MU	Clay Loam, Loam



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New Mexico State Land Office Southeastern New Mexico Revegetation Handbook

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District III

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

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

QUESTIONS

Action 325400

QUESTIONS				
Operator:	OGRID:			
Maverick Permian LLC	331199			
1000 Main Street, Suite 2900	Action Number:			
Houston, TX 77002	325400			
	Action Type:			
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)			

QUESTIONS Droroguioitoo

rerequisites				
Incident ID (n#)	nPAC0716533924			
Incident Name	NPAC0716533924 VACUUM ABO UNIT #003 @ 30-025-03045			
Incident Type	Oil Release			
Incident Status	Remediation Closure Report Received			
Incident Well	[30-025-03045] VACUUM ABO UNIT #003			

Location of Release Source

Please answer all the questions in this group.				
Site Name	VACUUM ABO UNIT #003			
Date Release Discovered	06/01/2007			
Surface Owner	State			

Incident Details

Please	answer	all the	questions in this	group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 7 BBL | Recovered: 2 BBL | Crude Oil Released (bbls) Details Lost: 5 BBL Cause: Corrosion | Flow Line - Production | Produced Water | Released: 33 BBL | Recovered: Produced Water Released (bbls) Details 10 BBL | Lost: 23 BBL Is the concentration of chloride in the produced water >10,000 mg/l Yes Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

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QUESTIONS, Page 2

Action 325400

QUESTIONS (continued)

Operator:	OGRID:	
Maverick Permian LLC	331199	
1000 Main Street, Suite 2900	Action Number:	
Houston, TX 77002	325400	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

l	Nature and Volume of Release (continued)	
	Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
ſ	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
	Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Chuck Terhune Email: chuck.terhune@tetratech.com

Date: 03/22/2024

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

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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

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QUESTIONS, Page 3

Action 325400

QUESTIONS (continued) Operator: OGRID: 331199 Maverick Permian LLC 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 325400 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions t	that apply or are indicated. This information must be provided t	to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	emonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertic	al extents of contamination been fully delineated	Yes
Was this release entirely of	contained within a lined containment area	No
Soil Contamination Samplin	g: (Provide the highest observable value for each, in n	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	605
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	157.4
GRO+DRO	(EPA SW-846 Method 8015M)	38.3
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
-		
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11		
Per Subsection B of 19.15.29.11 which includes the anticipated tin	NMAC unless the site characterization report includes complete	
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w	NMAC unless the site characterization report includes complet melines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tir On what estimated date w On what date will (or did) t	NMAC unless the site characterization report includes complete melines for beginning and completing the remediation. ill the remediation commence	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was)	NMAC unless the site characterization report includes complete melines for beginning and completing the remediation. ill the remediation commence the final sampling or liner inspection occur	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 02/26/2024 03/13/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf	NMAC unless the site characterization report includes complete melines for beginning and completing the remediation. iill the remediation commence the final sampling or liner inspection occur the remediation complete(d)	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 02/26/2024 03/13/2024 03/15/2024
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu	NMAC unless the site characterization report includes complete melines for beginning and completing the remediation. iill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 02/26/2024 03/13/2024 03/15/2024 14800
Per Subsection B of 19.15.29.11 which includes the anticipated tim On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu What is the estimated surf	NMAC unless the site characterization report includes completing the remediation. ill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed ime (in cubic yards) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 02/26/2024 03/13/2024 03/15/2024 14800 2562

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

QUESTIONS, Page 4

Action 325400

QUESTIONS (continued)
Operator:	OGRID:
Maverick Permian LLC	331199
1000 Main Street, Suite 2900	Action Number:
Houston, TX 77002	325400
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation 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. Name: Chuck Terhune I hereby agree and sign off to the above statement Email: chuck.terhune@tetratech.com

Date: 03/22/2024 The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

QUESTIONS, Page 5

Action 325400

QUESTIONS (c	ontinued)
Operator: Maverick Permian LLC	OGRID: 331199
1000 Main Street, Suite 2900 Houston, TX 77002	Action Number: 325400
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Deferral Requests Only

y answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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District III

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

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

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QUESTIONS, Page 6

Action 325400

QUESTIONS (continued) Operator OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 325400 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event information	
Last sampling notification (C-141N) recorded	322297
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	3000

Remediation Closure Request

Sompling Event Information

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	14800
What was the total volume (cubic yards) remediated	2562
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	14800
What was the total volume (in cubic yards) reclaimed	2562
Summarize any additional remediation activities not included by answers (above)	None
	Isosure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents

the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete

I hereby agree and sign off to the above statement	Name: Chuck Terhune
Thereby agree and sign on to the above statement	Email: chuck.terhune@tetratech.com Date: 03/22/2024

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

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

District III

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

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

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

QUESTIONS, Page 7

Action 325400

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QUESTIONS (continued) Operator: OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 325400 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) QUESTIONS Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission No

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

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

CONDITIONS

Action 325400

Operator: OGRID: Maverick Permian LLC 331199 1000 Main Street, Suite 2900 Action Number: Houston, TX 77002 325400 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation approved.	3/28/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/28/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/28/2024