

Incident ID	NDHR1917862601
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist
 Signature: Todd Wells Date: 8/23/21
 email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Chad Hensley Date: 09/22/2021

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Chad Hensley Date: 09/22/2021

SITE INFORMATION

Report Type: Work Plan 1RP-5582 / NDHR1917862601

General Site Information:

Site:	Neptune 10 State CTB				
Company:	EOG Resources				
Section, Township and Range	Unit K	Sec. 10	T 24S	R 33E	
Lease Number:					
County:	Lea County				
GPS:	32.231193°N			103.561633°W	
Surface Owner:	State				
Mineral Owner:	State				
Directions:	From the intersection of HWY 128 and Co Rd 2-A, travel north on Co Rd 2-A for 0.90 miles, turn east onto lease road for 0.50 miles, turn north for 0.50 miles, turn west for 0.20 miles to location.				

Release Data:

Date Released:	6/5/2019
Type Release:	Oil & Produced Water
Source of Contamination:	Dump Line
Fluid Released:	1 bbl oil & 7 bbl water
Fluids Recovered:	1 bbl oil & 5 bbl water

Official Communication:

Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr		901 West Wall St.
			Ste 100
City:	Midland Texas, 79706		Midland, Texas
Phone number:	(432) 686-3613		(432) 687-8123
Fax:			
Email:	Todd_Wells@eogresources.com		Clair.Gonzales@tetrattech.com

Site Characterization

Depth to Groundwater:	22'
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg



August 23, 2021

Mr. Dylan Rose-Coss
Environmental Engineer Specialist
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Work Plan for the EOG Resources, Neptune 10 State CTB, Unit K, Section 10, Township 24 South, Range 33 East, Lea County, New Mexico.
1RP-5582
NDHR1917862601**

Mr. Rose-Coss:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources to assess a release that occurred at the Neptune 10 State CTB, Unit K, Section 10, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are N 32.231193°, W 103.561633°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on June 5, 2019, and released approximately 7 barrels of produced water and 1 barrel of oil due to a pin hole leak on the high-pressure water dump line of the separator. Approximately 1 barrel of oil and 5 barrels of produced water were recovered. The release occurred on the pad, impacting areas measuring approximately 41' x 150' and 76' x 120'. The initial C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is located in a low karst potential area. The nearest well is listed on the USGS National Water Information data base in Section 10, approximately 0.40 miles northwest of the site and has a reported depth to groundwater of 22' below surface. The groundwater data is shown in Appendix B.

Tetra Tech

4000 North Big Spring, Suite 401, Midland, TX 79705

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the reported depth to groundwater in the area, the proposed RRAL for chlorides is 600 mg/kg.

Soil Assessment and Analytical Results

On June 27, 2019, Tetra Tech personnel were onsite to evaluate and sample the release area. Using a hand auger, a total of nine (9) auger holes (AH-1 through AH-9) were installed in the release areas to total depths ranging from 1-1.5' and 7-7.5' below surface. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed any benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. Additionally, the area of auger hole (AH-4) showed chloride concentrations below the RRAL. However, the remaining auger holes showed shallow chloride impact to total depths between surface to 2-2.5' below surface, before declining with depth to below the 600 mg/kg threshold. Vertical delineation was found in all auger holes, with the exception of auger hole (AH-8).

Remediation Activities

Based on the laboratory data, Tetra Tech returned to the site on October 30th-November 5th, 2019, in order to excavate the release areas to the maximum extent safely possible. The areas of AH-2, AH-6, and AH-9 were excavated to 1.0', the areas of AH-3, AH-7, and AH-8 were excavated to 2.0' and the area of AH-1 was excavated to 3.0' below surface. The area of AH-5 could not be safely remediated due to the numerous lines in the area and access issues.

Composite confirmation samples were collected every 200 square feet to ensure proper removal of the impacted soils. A total of twenty-four bottom hole samples (Bottom Hole 1 through Bottom Hole 24) and twenty-five sidewall samples (North #1 Sidewall through North #7 Sidewall, East #1 Sidewall through East #6 Sidewall, West #1 Sidewall through West #6 Sidewall, and South #1 Sidewall through South #6 Sidewall) were collected. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The sample locations are shown on Figure 4.



Referring to Table 2, none of the samples collected showed any benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. The areas of North #5 Sidewall and South #1 Sidewall showed chloride concentrations of 1,300 mg/kg and 3,760 mg/kg, respectively. These areas were not expanded at the time, due to safety concerns and the underground lines in the area. The remaining bottom hole and sidewall samples showed chloride concentrations below the 600 mg/kg threshold.

Once the excavation was complete, the areas were backfilled to surface grade and all excavated material was hauled for proper disposal.

Work Plan

Based on the previous laboratory results, EOG will further sample the areas of North #5 Sidewall, South #1 Sidewall, and AH-5, to collect current data and attempt to find delineation. The remaining impact will be remediated to the most stringent thresholds. Once remediation activities are complete, bottom hole and sidewall confirmation samples will be collected every 200 square feet to ensure concentrations are reported below the determined RRALs. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment for this site, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

A handwritten signature in black ink, appearing to read 'Brittany Long'.

Brittany Long,
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager

Figures



● SITE LOCATION



0 10,416.5 20,833

Approximate Scale in Feet

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO,

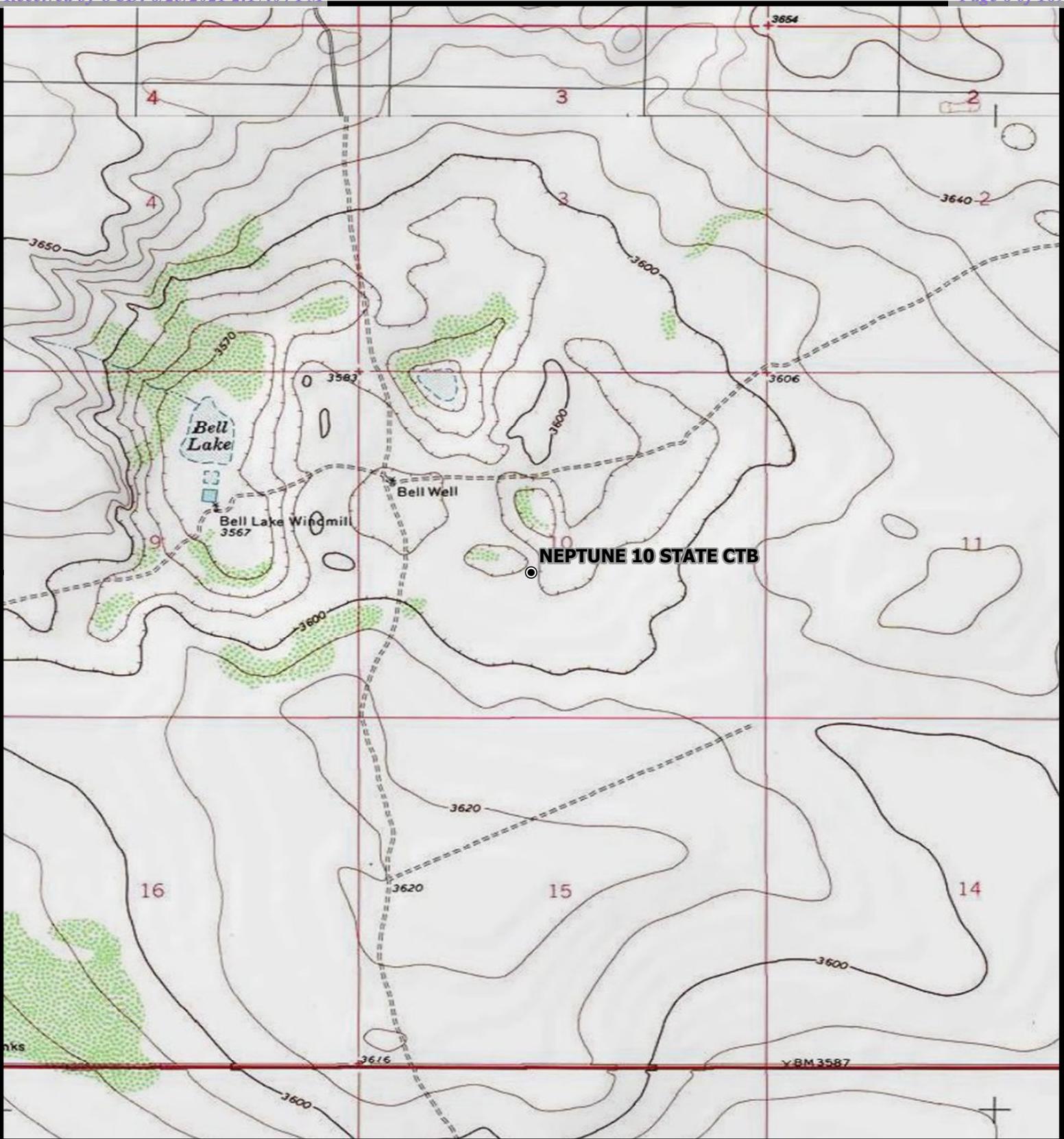


OVERVIEW MAP
 NEPTUNE 10 STATE CTB
 Property Located at 32.230939°, -103.561469°
 LEA COUNTY, NEW MEXICO

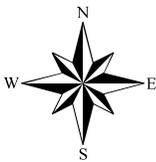


FIGURE 1

Document Path: H:\GIS\EOG_RESOURCES\212C-MD-01816 NEPTUNE 10 STATE CTB\MD-01816 NEPTUNE 10 STATE CTB FIG. 1.mxd



● SITE LOCATION



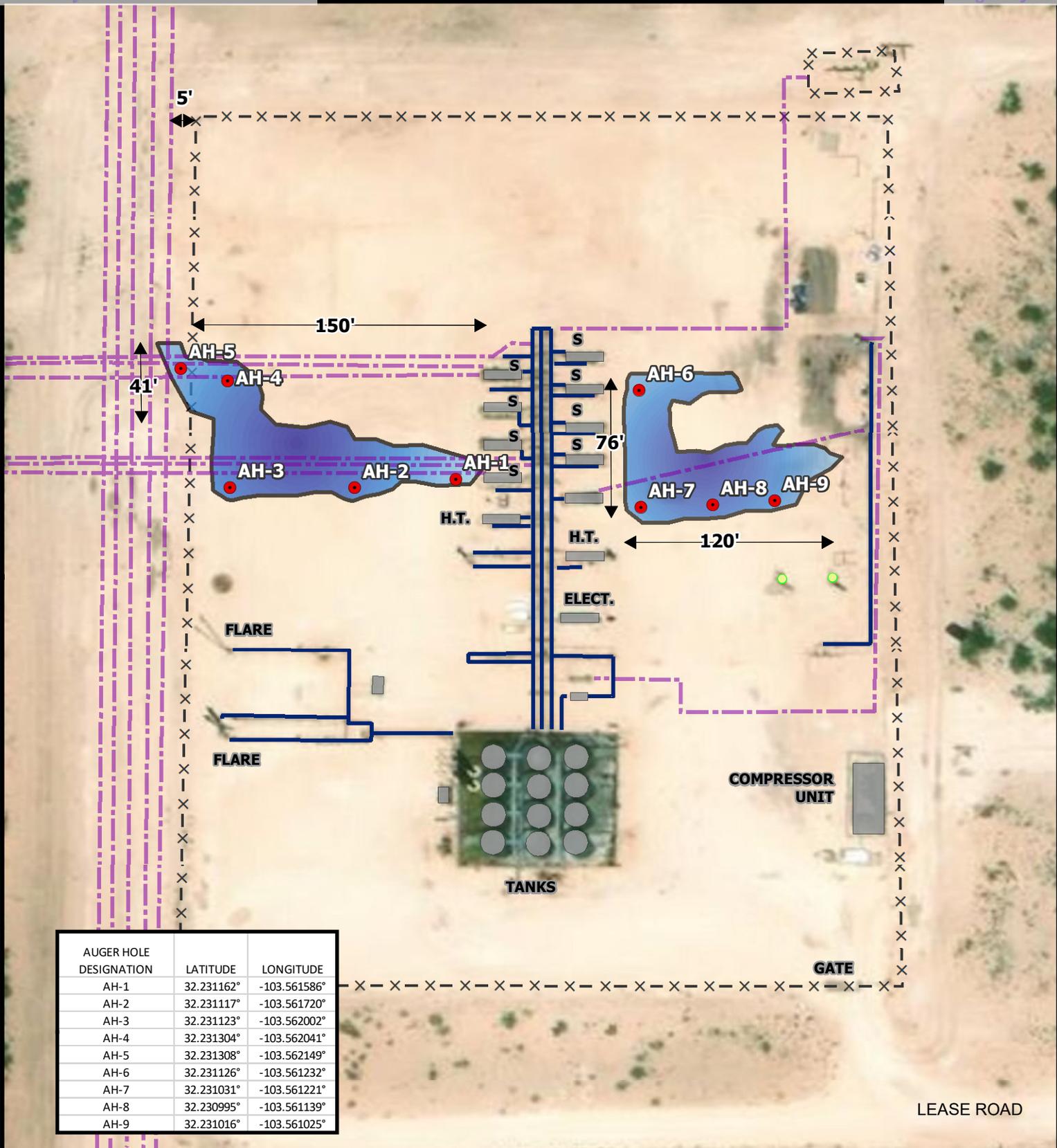
0 1,000 2,000
 Approximate Scale in Feet

TOPOGRAPHIC MAP
 NEPTUNE 10 STATE CTB
 Property Located at 32.230939°, -103.561469°
 LEA COUNTY, NEW MEXICO



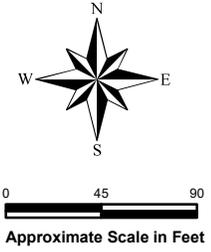
FIGURE
 2

Document Path: H:\GIS\EOG RESOURCES\212C-MD-01816 NEPTUNE 10 STATE CTB\FIG. 2.mxd



AUGER HOLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.231162°	-103.561586°
AH-2	32.231117°	-103.561720°
AH-3	32.231123°	-103.562002°
AH-4	32.231304°	-103.562041°
AH-5	32.231308°	-103.562149°
AH-6	32.231126°	-103.561232°
AH-7	32.231031°	-103.561221°
AH-8	32.230995°	-103.561139°
AH-9	32.231016°	-103.561025°

- AUGERHOLE SAMPLE POINTS
- POWER POLE
- EQUIPMENT
- PROCESS PIPE
- BURIED PIPELINE
- FENCE
- SPILL

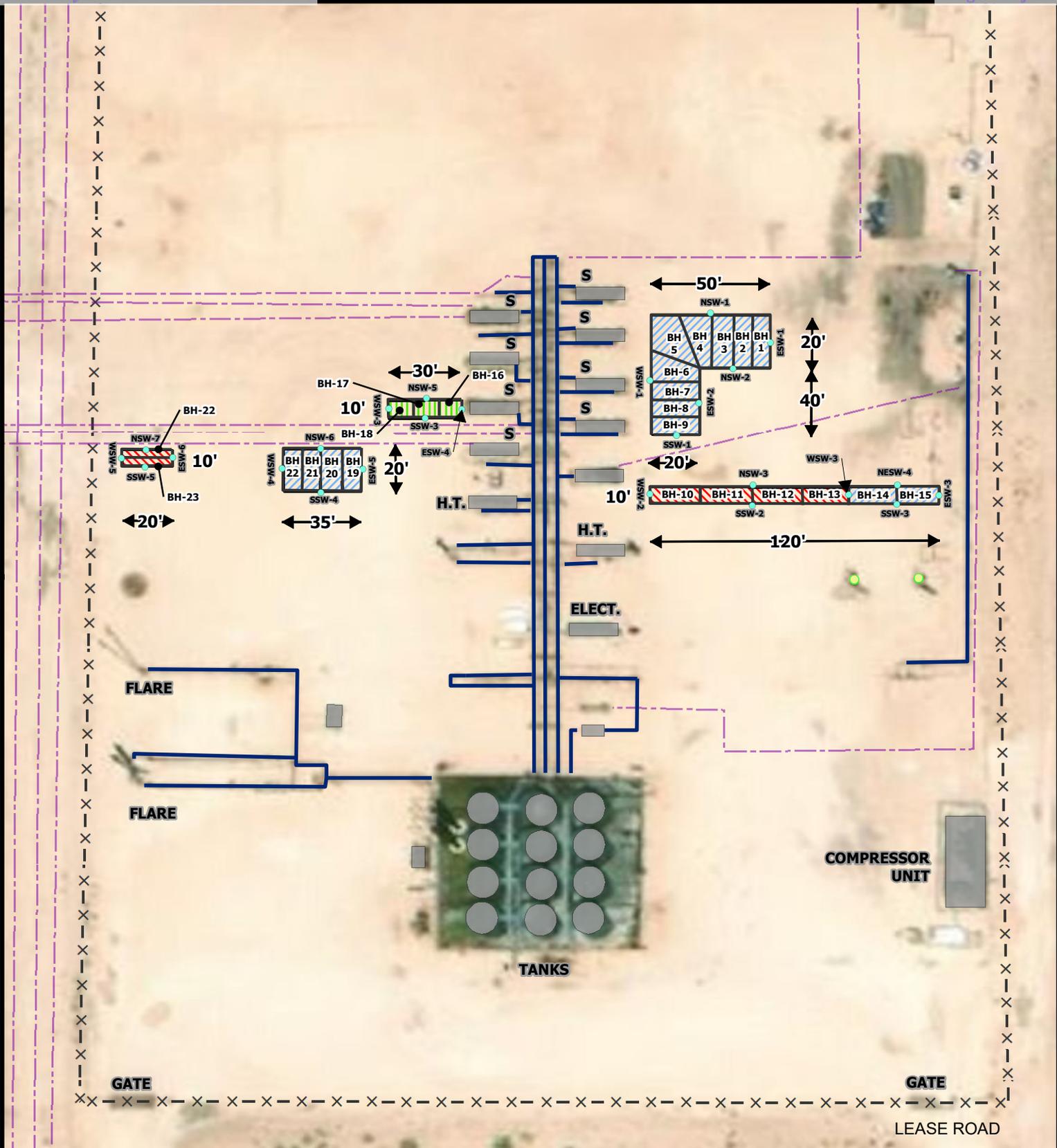


SPILL ASSESSMENT MAP
NEPTUNE 10 STATE CTB
 Property Located at coordinates 32.230939°, -103.561469°
 LEA COUNTY, NEW MEXICO



FIGURE 3

Date: 11/25/2019 Document Path: H:\GIS\EOG_RESOURCES\212C-MD-01816 NEPTUNE 10 STATE CTB\MD-01816 NEPTUNE 10 STATE CTB FIG. 3.mxd



	SIDEWALL SAMPLES		BH = BOTTOM HOLES
	POWER POLE		
	PROCESS PIPE		
	FENCE		
	1.0' EXCAVATED DEPTH		
	2.0' EXCAVATED DEPTH		
	3.0' EXCAVATED DEPTH		
	EQUIPMENT		

0 35 70
Approximate Scale in Feet

EXCAVATION AREA & DEPTH MAP
 NEPTUNE 10 STATE CTB
 Property Located at coordinates 32.230939°, -103.561469°
 LEA COUNTY, NEW MEXICO

Project #:
212C-MD-01816

FIGURE
4

Date: 11/25/2019 Document Path: H:\GIS\EOG_RESOURCES\212C-MD-01816 NEPTUNE 10 STATE CTB\MXD\212C-MD-01816 NEPTUNE 10 STATE CTB FIG. 4.mxd

Tables

Table 1
EOG
Neptune 10
Lea County, New Mexico

Sample ID	Sample Date	BEB Depth (ft)	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
AH-1	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	0.00286	<0.00200	0.00286	18.5
	"		1-1.5		X	<14.9	<14.9	<14.9	<14.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	4,940
	"		2-2.5		X	-	-	-	-	-	-	-	-	-	1,470
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	57.2
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	84.0
	"		5-5.5	X		-	-	-	-	-	-	-	-	-	25.4
AH-2	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	909
	"		1-1.5	X		<15.0	<15.0	<15.0	<15.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	354
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	218
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	301
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	126
AH-3	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	974
	"		1-1.5		X	<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	841
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	204
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	156
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	88.9
	"		5-5.5	X		-	-	-	-	-	-	-	-	-	37.9
AH-4	6/28/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	11.1
	"		1-1.5	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	75.9
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	171
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	92.9
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	70.6
AH-5	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	2,080
	"		1-1.5		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	1,090
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	567
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	229
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	301
	"		5-5.5	X		-	-	-	-	-	-	-	-	-	307
	"		6-6.5	X		-	-	-	-	-	-	-	-	-	196
	"		7-7.5	X		-	-	-	-	-	-	-	-	-	437
AH-6	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	4,380
	"		1-1.5	X		<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	585
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	99.8
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	127
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	28.3
	"		5-5.5	X		-	-	-	-	-	-	-	-	-	33.1
AH-7	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	3,850
	"		1-1.5	X		<15.0	<15.0	<15.0	<15.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	513
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	14.7
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	11.0
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	93.4
AH-8	6/27/2019		0-1		X	<14.9	<14.9	<14.9	<14.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	2,390
	"		1-1.5		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	905
AH-9	6/27/2019		0-1		X	<15.0	<15.0	<15.0	<15.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	906
	"		1-1.5	X		<15.0	<15.0	<15.0	<15.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	102
	"		2-2.5	X		-	-	-	-	-	-	-	-	-	100
	"		3-3.5	X		-	-	-	-	-	-	-	-	-	65.9
	"		4-4.5	X		-	-	-	-	-	-	-	-	-	10.5
	"		5-5.5	X		-	-	-	-	-	-	-	-	-	12.0

Table 2
EOG
Neptune 10
Lea County, New Mexico

Sample ID	Sample Date	BEB Depth (ft)	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	MRO	Total						
Bottom Hole 1	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
Bottom Hole 2	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 3	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 4	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 5	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole 6	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole 7	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole 8	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 9	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole 10	10/31/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 11	10/31/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 12	10/31/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 13	10/31/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 14	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole 15	10/31/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 16	11/5/2019	3	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole 17	11/5/2019	3	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 18	11/5/2019	3	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole 19	11/5/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole 20	11/5/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole 21	11/5/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole 22	11/5/2019	1	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole 23	11/5/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole 24	11/5/2019	2	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
North #1 Sidewall	10/31/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
North #2 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
North #3 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
North #4 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
North #5 Sidewall	11/5/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,300
North #6 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
North #7 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
East #1 Sidewall	10/31/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
East #2 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
East #3 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
East #4 Sidewall	11/5/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
East #5 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
East #6 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
West #1 Sidewall	10/31/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
West #2 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
West #3 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
West #4 Sidewall	11/5/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
West #5 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
West #6 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
South #1 Sidewall	10/31/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760
South #2 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
South #3 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
South #4 Sidewall	11/5/2019	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
South #5 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
South #6 Sidewall	"	-	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0

Photos

EOG Resources
Neptune 10 State CTB
Lea County, New Mexico



TETRA TECH



View West – Excavated Areas of AH-1 and AH-2



View Southwest – Excavated areas of AH-3

EOG Resources
Neptune 10 State CTB
Lea County, New Mexico



TETRA TECH



View West – Excavated Area of AH-6



View East – Excavated areas of AH-7, AH-8, and AH-9

Appendix A

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NDHR1917862601
District RP	1RP-5582
Facility ID	
Application ID	pDHR1917861617

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) NDHR1917862601
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.231193° Longitude -103.561633°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Neptune 10 State CTB	Site Type EOG Facility
Date Release Discovered 6/5/19	API# (if applicable)

Unit Letter	Section	Township	Range	County
K DHR 6/27/2019	10	24S	33E	Lea

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: A pin hole was discovered on the high pressure water dump line of the separator causing the release to the location. Approximately 8 bbls of water and oil was released and 6 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NDHR1917862601
District RP	1RP-5582
Facility ID	
Application ID	pDHR1917861617

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>6-21-19</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Dylan Rose-Coss</u> Date: <u>06/27/2019</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Appendix B

Water Well Data Average Depth to Groundwater (ft) EOG - Neptune 10 State CTB, Lea County, New Mexico

23 South			32 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

23 South			33 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

23 South			34 East				
6	329	5	4	3	2	1	137
7	8	255	9	10	11	12	
18	17	16	345	15	14	13	
19	20	21	22	282	23	233	24
30	29	28	27	26	25	25	
31	32	160	33	34	35	36	
		130					

24 South			32 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

24 South			33 East			
6	5	4	3	2	1	
7	8	9	10	20	11	12
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

24 South			34 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

25 South			32 East		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

25 South			33 East				
6	5	90	4	3	172	2	1
7	8	9	10	11	12		
18	17	16	15	14	13		
19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

25 South			34 East			
6	5	4	3	2	1	260
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	50	28	27	26	25
31	32	33	34	35	36	

- 88 New Mexico State Engineers Well Reports
- 105 USGS Well Reports
- 90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
- 90 Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34 NMOCD - Groundwater Data
- 121 Abandoned Waterwell (recently measured)



National Water Information System: Mapper

Sites | Map

Search

Search by Street Address:

Search by Place Name:

Search by Site Number(s):

Search by State/Territory:

Search by Watershed Region:

Surface-Water Sites

Groundwater Sites

Springs

Atmospheric Sites

Other Sites



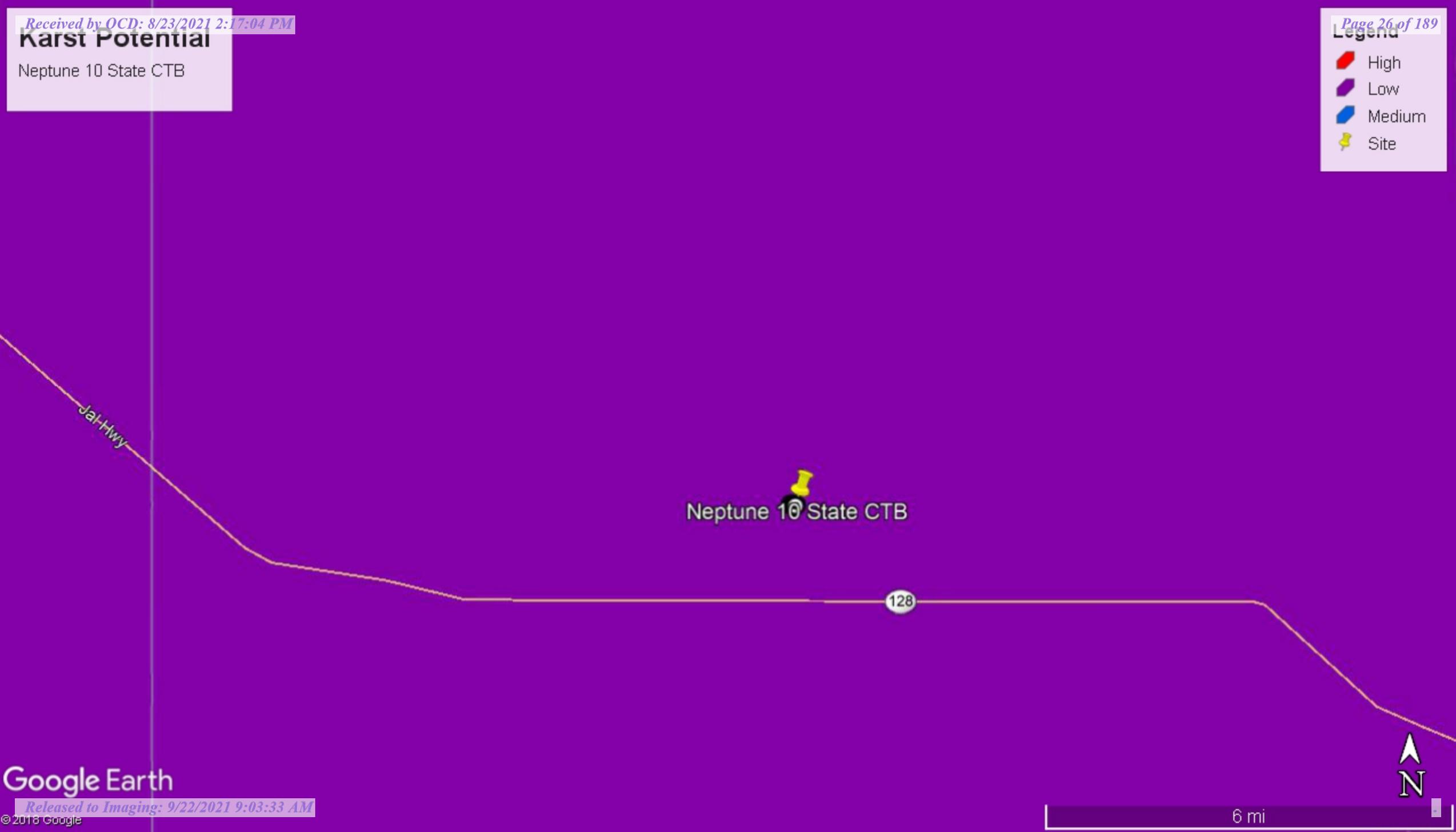
Site Information

Karst Potential

Neptune 10 State CTB

Legend

- High
- Low
- Medium
- Site





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02308	CUB	LE	1 3 1	10	24S	33E	634953	3567364*		40	20	20		
C 02309	CUB	LE	2 2 2	25	24S	33E	639638	3562994*		60	30	30		
C 02310	CUB	LE	2 3 2	33	24S	33E	634437	3560918*		120	70	50		
C 02311	CUB	LE	2 3 2	33	24S	33E	634437	3560918*		120	70	50		
C 02430	CUB	LE	3 3 3	16	24S	33E	633377	3564732*		643	415	228		
C 02431	CUB	LE	4 4 4	17	24S	33E	633175	3564728*		525	415	110		
C 02432	CUB	LE	4 4 4	17	24S	33E	633175	3564728*		640	415	225		
C 02563	CUB	LE	1 4 2	33	24S	33E	634639	3560923*		120				
C 02564	CUB	LE	2 4 2	33	24S	33E	634839	3560923*		120				
C 02890	C	LE	2 4 29	24S	33E	633114	3562012*		500					
C 03565 POD3	CUB	LE	3 4 08	24S	33E	632763	3566546				1533			
C 03591 POD1	CUB	LE	2 1 4 05	24S	33E	632731	3568518							
C 03600 POD1	CUB	LE	2 2 1 26	24S	33E	637275	3563023							
C 03600 POD2	CUB	LE	4 4 1 25	24S	33E	638824	3562329							
C 03600 POD3	CUB	LE	3 4 2 26	24S	33E	637784	3562340							
C 03600 POD4	CUB	LE	3 3 1 26	24S	33E	636617	3562293							
C 03600 POD5	CUB	LE	3 2 4 26	24S	33E	637857	3562020							
C 03600 POD6	CUB	LE	3 1 4 26	24S	33E	637383	3562026							
C 03600 POD7	CUB	LE	3 1 3 26	24S	33E	636726	3561968							
C 03601 POD1	CUB	LE	4 4 2 23	24S	33E	638124	3563937							
C 03601 POD2	CUB	LE	3 2 4 23	24S	33E	637846	3563588							
C 03601 POD3	CUB	LE	1 3 3 24	24S	33E	638142	3563413							
C 03601 POD4	CUB	LE	3 3 3 24	24S	33E	638162	3561375							
C 03601 POD5	CUB	LE	2 4 4 23	24S	33E	637988	3563334							
C 03601 POD6	CUB	LE	1 4 4 23	24S	33E	637834	3563338							
C 03601 POD7	CUB	LE	4 4 4 23	24S	33E	637946	3563170							

*UTM location was derived from PLSS - see Help

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 6	Q 4	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 03602 POD2	CUB	LE	4	4	1	25	24S	33E	638824	3562329					
C 03603 POD1	CUB	LE	3	2	2	35	24S	33E	637805	3561225					
C 03603 POD2	CUB	LE	3	1	2	35	24S	33E	637384	3561167					
C 03603 POD3	CUB	LE	4	1	1	35	24S	33E	636890	3561092					
C 03603 POD4	CUB	LE	3	2	4	35	24S	33E	637789	3560461					
C 03603 POD5	CUB	LE	3	3	2	35	24S	33E	636745	3560767					
C 03603 POD6	CUB	LE	3	1	3	35	24S	33E	636749	3560447					
C 03662 POD1	C	LE	3	1	2	23	24S	33E	637342	3564428		550	110	440	
C 03666 POD1	C	LE	2	3	4	13	24S	33E	639132	3565078		650	390	260	
C 03679 POD1	C	ED	1	4	2	14	24S	33E	603567	3581547		700	575	125	
C 03917 POD1	C	LE	4	1	3	13	24S	33E	638374	3565212		600	420	180	
C 04014 POD2	CUB	LE	4	4	2	01	24S	33E	639656	3568917		95	81	14	
C 04014 POD3	CUB	LE	2	4	2	01	24S	33E	639497	3569007		95	87	8	
C 04014 POD4	CUB	LE	3	4	2	01	24S	33E	639295	3568859		96	86	10	
C 04014 POD5	CUB	LE	1	4	2	01	24S	33E	639284	3569086		95	85	10	

Average Depth to Water: **300 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

Record Count: 41

PLSS Search:

Township: 24S

Range: 33E

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.



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category: Groundwater	Geographic Area: United States	GO
--------------------------------------	------------------------------------------	----

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 321348103340401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321348103340401 24S.33E.10.13123

Available data for this site

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°14'04.9", Longitude 103°34'02.4" NAD83

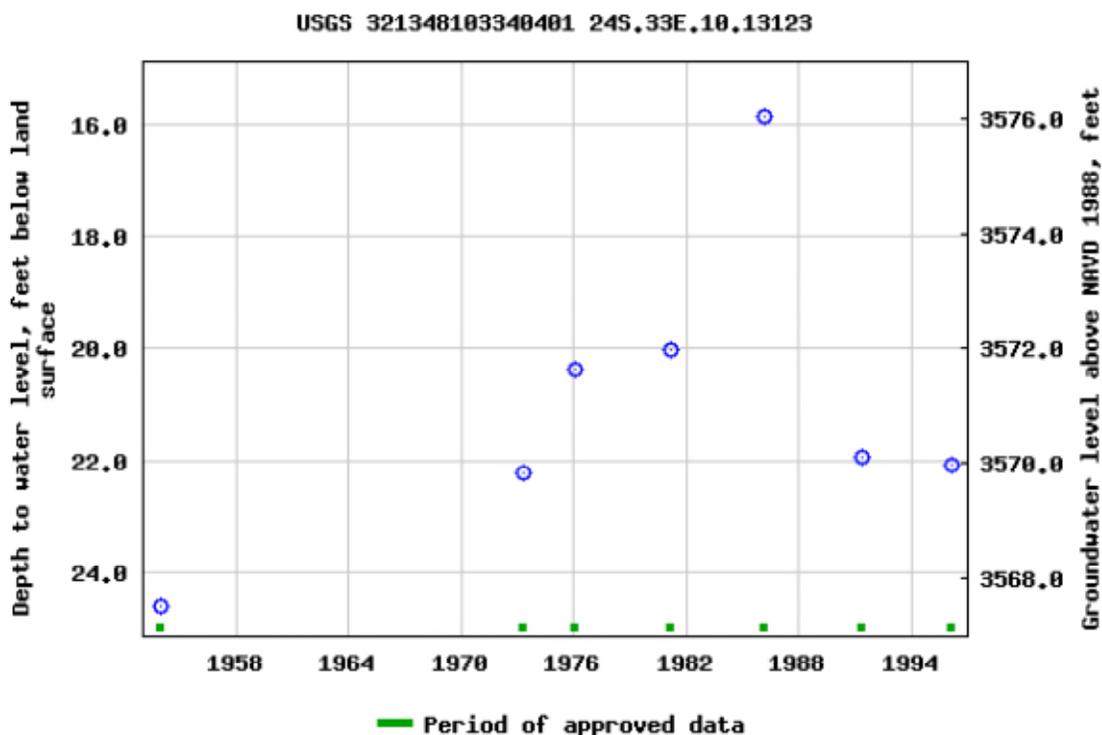
Land-surface elevation 3,592 feet above NAVD88

The depth of the well is 36 feet below land surface.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



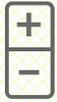
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2019-07-02 14:49:30 EDT

1.06 0.89 nadww01



NFHL Web Mapping Application



Data Layers

Measure

3602 ft



Search Result
Y:32.230939 X:-103.561469



Braverton Rd

Appendix C



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

November 01, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NEPTUNE 10 ST CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/31/19 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 1 (1' BEB) (H903726-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.92	95.8	2.00	4.21	
Toluene*	<0.050	0.050	11/01/2019	ND	1.92	95.8	2.00	3.85	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.4	2.00	3.06	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.81	96.8	6.00	2.72	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/01/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	228	114	200	7.39	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	8.27	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 92.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 2 (1' BEB) (H903726-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	10/31/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	10/31/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 3 (1' BEB) (H903726-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17		
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/31/2019	ND	223	112	200	1.05		
DRO >C10-C28*	<10.0	10.0	10/31/2019	ND	225	112	200	1.22		
EXT DRO >C28-C36	<10.0	10.0	10/31/2019	ND						

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 4 (1' BEB) (H903726-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	10/31/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	10/31/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 5 (1' BEB) (H903726-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	10/31/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	10/31/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 6 (1' BEB) (H903726-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	0.057	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	10/31/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	10/31/2019	ND					

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 7 (1' BEB) (H903726-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 8 (1' BEB) (H903726-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 9 (1' BEB) (H903726-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 10 (2' BEB) (H903726-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 11 (2' BEB) (H903726-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 12 (2' BEB) (H903726-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 13 (2' BEB) (H903726-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 126 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 14 (1' BEB) (H903726-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17		
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05		
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22		
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND						

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 15 (1' BEB) (H903726-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.59	79.5	2.00	6.17	
Toluene*	<0.050	0.050	11/01/2019	ND	1.49	74.6	2.00	2.15	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.50	75.2	2.00	2.50	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	4.60	76.7	6.00	1.29	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH # 1 SIDEWALL (H903726-16)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05		
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05		
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22		
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND						

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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Analytical Results For:

TETRA TECH
 MIKE CARMONA
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 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH # 2 SIDEWALL (H903726-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH # 3 SIDEWALL (H903726-18)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05		
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05		
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22		
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND						

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH # 4 SIDEWALL (H903726-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST # 1 SIDEWALL (H903726-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST # 2 SIDEWALL (H903726-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	223	112	200	1.05	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	225	112	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST # 3 SIDEWALL (H903726-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST # 1 SIDEWALL (H903726-23)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05		
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60		
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40		
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND						

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST # 2 SIDEWALL (H903726-24)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST # 3 SIDEWALL (H903726-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH # 1 SIDEWALL (H903726-26)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05		
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45		
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26		
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37		
Total BTEX	<0.300	0.300	11/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	11/01/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60		
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40		
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND						

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH # 2 SIDEWALL (H903726-27)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/31/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH # 3 SIDEWALL (H903726-28)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2019	ND	1.91	95.6	2.00	3.05	
Toluene*	<0.050	0.050	11/01/2019	ND	1.91	95.4	2.00	2.45	
Ethylbenzene*	<0.050	0.050	11/01/2019	ND	1.95	97.5	2.00	2.26	
Total Xylenes*	<0.150	0.150	11/01/2019	ND	5.83	97.2	6.00	2.37	
Total BTEX	<0.300	0.300	11/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/01/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	225	112	200	1.60	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG
Site Manager: Mike Carmona
Project Name: Neptune 10 St CTB
Project Location: Lea Co, NM
Project #: 212C-MD-01816
Invoice to: EOG - ~~XXXXXXXXXX~~ TODD WELLS
Receiving Laboratory: Cardinal
Sampler Signature: Conner Moehring
Comments:

LAB # **HP03726**
(LAB USE ONLY)

SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃		
1 Bottom Hole #1 (1' BEB)	10/21/19		X		X		1	2
2 Bottom Hole #2 (1' BEB)			X		X		1	2
3 Bottom Hole #3 (1' BEB)			X		X		1	2
4 Bottom Hole #4 (1' BEB)			X		X		1	2
5 Bottom Hole #5 (1' BEB)			X		X		1	2
6 Bottom Hole #6 (1' BEB)			X		X		1	2
7 Bottom Hole #7 (1' BEB)			X		X		1	2
8 Bottom Hole #8 (1' BEB)			X		X		1	2
9 Bottom Hole #9 (1' BEB)			X		X		1	2
10 Bottom Hole #10 (2' BEB)			X		X		1	2

Relinquished by: *Ann Murphy* Date: 10/21/19 Time: 1500
Received by: *Conner Moehring* Date: 10/31/19 Time: 15:00

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance

LAB USE ONLY

REMARKS:
 STANDARD
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature: 2.32 #47
 Conducted 2.72

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

CC JO CC eged

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Mike Carmona

Project Name: Neptune 10 St CTB

Project Location: Lea Co, NM Project #: 212C-MD-01816

Invoice to: EOG - ~~Samuel Kennedy~~ TODD WELLS

Receiving Laboratory: Cardinal Sampler Signature: Conner Moehring

Comments:

LAB # **HP03724**

(LAB USE ONLY)

SAMPLE IDENTIFICATION

ID	Description	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
21	East #2 Sidewalk	10/31/19		X				X		1	2
22	East #3 Sidewalk	10/31/19		X				X		1	2
23	West #1 Sidewalk	10/31/19		X				X		1	2
24	West #2 Sidewalk	10/31/19		X				X		1	2
25	West #3 Sidewalk	10/31/19		X				X		1	2
26	South #1 Sidewalk	10/31/19		X				X		1	2
27	South #2 Sidewalk	10/31/19		X				X		1	2
28	South #3 Sidewalk	10/31/19		X				X		1	2

Reinquired by: *James Murphy* Date: 10/31/19 Time: 1500

Received by: *James Murphy* Date: 10/31/19 Time: 1500

Reinquired by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	Hold

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 2.3C

Consistent

2.7C

ORIGINAL COPY



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

November 06, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NEPTUNE 10 ST CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/05/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 16 (3' BEB) (H903768-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/06/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.8 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 17 (3' BEB) (H903768-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/06/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 93.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 18 (3' BEB) (H903768-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 90.0 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 19 (1' BEB) (H903768-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/06/2019	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 20 (1' BEB) (H903768-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 21 (1' BEB) (H903768-06)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 22 (1' BEB) (H903768-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.81	90.7	2.00	6.60	
Toluene*	<0.050	0.050	11/06/2019	ND	1.82	90.8	2.00	6.49	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.84	92.2	2.00	6.38	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.48	91.3	6.00	6.63	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 23 (2' BEB) (H903768-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4		
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28		
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58		
Total BTEX	<0.300	0.300	11/06/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07		
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93		
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE # 24 (2' BEB) (H903768-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH 5 SIDEWALL (H903768-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4		
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0		
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28		
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58		
Total BTEX	<0.300	0.300	11/06/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	11/06/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07		
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93		
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND						

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH 6 SIDEWALL (H903768-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 79.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NORTH 7 SIDEWALL (H903768-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST 4 SIDEWALL (H903768-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST 5 SIDEWALL (H903768-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: EAST 6 SIDEWALL (H903768-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	210	105	200	1.07	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	210	105	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST 4 SIDEWALL (H903768-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST 5 SIDEWALL (H903768-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WEST 6 SIDEWALL (H903768-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 74.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 93.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH 4 SIDEWALL (H903768-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 82.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 97.7 % 37.6-147

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Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH 5 SIDEWALL (H903768-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.0 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2019	Sampling Date:	11/05/2019
Reported:	11/06/2019	Sampling Type:	Soil
Project Name:	NEPTUNE 10 ST CTB	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-01816	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SOUTH 6 SIDEWALL (H903768-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2019	ND	1.89	94.6	2.00	11.4	
Toluene*	<0.050	0.050	11/06/2019	ND	1.61	80.6	2.00	13.0	
Ethylbenzene*	<0.050	0.050	11/06/2019	ND	1.74	87.0	2.00	8.28	
Total Xylenes*	<0.150	0.150	11/06/2019	ND	5.20	86.7	6.00	8.58	
Total BTEX	<0.300	0.300	11/06/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2019	ND	206	103	200	1.90	
DRO >C10-C28*	<10.0	10.0	11/06/2019	ND	193	96.4	200	7.90	
EXT DRO >C28-C36	<10.0	10.0	11/06/2019	ND					

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Mike Carmona**

Project Name: **Neptune 10 St CTB**

Project Location: **Lea Co, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - ~~XXXXXXXXXX~~** **TODD WELLS**

Receiving Laboratory: **Cardinal** Sampler Signature: **Conner Moehring**

Comments:

LAB # **A903168**

LAB USE ONLY

SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
	YEAR: 2019				WATER	SOIL	HCL	HNO ₃	ICE			None
1 Bottom Hole #16 (3' BEB)			11/5/19			X			X		1	2
2 Bottom Hole #17 (3' BEB)						X			X			
3 Bottom Hole #18 (3' BEB)						X			X			
4 Bottom Hole #19 (1' BEB)						X			X			
5 Bottom Hole #20 (1' BEB)						X			X			
6 Bottom Hole #21 (1' BEB)						X			X			
7 Bottom Hole #22 (1' BEB)						X			X			
8 Bottom Hole #23 (2' BEB)						X			X			
9 Bottom Hole #24 (2' BEB)						X			X			
10 North S Sidewalk						X			X			

Relinquished by: **Brian McPherson** Date: **11/5/19** Time: **1345**

Received by: **Juanita Oladokun** Date: **11-5-19** Time: **1345**

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day **24 hr** 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature **2.1c #47**

Corrected **2.5c**

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-001	629653-002	629653-003	629653-004	629653-005	629653-006
	<i>Field Id:</i>	AH 1 (0-1')	AH 1 (1-1.5')	AH 1 (2-2.5')	AH 1 (3-3.5')	AH 1 (4-4.5')	AH 1 (5-5.5')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	5-5.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20	Jul-08-19 12:20				
	<i>Analyzed:</i>	Jul-09-19 12:02	Jul-09-19 12:25				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
	Benzene	<0.00200 0.00200	<0.00201 0.00201				
	Toluene	<0.00200 0.00200	<0.00201 0.00201				
	Ethylbenzene	0.00286 0.00200	<0.00201 0.00201				
	m,p-Xylenes	<0.00400 0.00400	<0.00402 0.00402				
	o-Xylene	<0.00200 0.00200	<0.00201 0.00201				
Total Xylenes	<0.00200 0.00200	<0.00201 0.00201					
Total BTEX	0.00286 0.00200	<0.00201 0.00201					
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:20	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30
	<i>Analyzed:</i>	Jul-03-19 03:26	Jul-03-19 04:32	Jul-03-19 08:17	Jul-03-19 04:10	Jul-03-19 04:46	Jul-03-19 04:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	18.5 5.04	4940 24.9	1470 4.99	57.2 5.00	84.0 4.95	25.4 4.98	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00	Jul-04-19 08:00				
	<i>Analyzed:</i>	Jul-04-19 11:08	Jul-04-19 12:20				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<14.9 14.9				
	Diesel Range Organics (DRO)	<15.0 15.0	<14.9 14.9				
Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0	<14.9 14.9					
Total TPH	<15.0 15.0	<14.9 14.9					

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-007	629653-008	629653-009	629653-010	629653-011	629653-012
	<i>Field Id:</i>	AH 2 (0-1')	AH 2 (1-1.5')	AH 2 (2-2.5')	AH 2 (3-3.5')	AH 2 (4-4.5')	AH 3 (0-1')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20	Jul-08-19 12:20				Jul-08-19 12:20
	<i>Analyzed:</i>	Jul-09-19 12:48	Jul-09-19 13:11				Jul-09-19 13:34
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
	Benzene	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200
	Toluene	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200
	Ethylbenzene	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200
	m,p-Xylenes	<0.00402 0.00402	<0.00397 0.00397				<0.00401 0.00401
	o-Xylene	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200
Total Xylenes	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200	
Total BTEX	<0.00201 0.00201	<0.00198 0.00198				<0.00200 0.00200	
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30
	<i>Analyzed:</i>	Jul-03-19 05:15	Jul-03-19 05:22	Jul-03-19 05:30	Jul-03-19 05:37	Jul-03-19 05:51	Jul-03-19 05:44
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	909 5.02	354 4.95	218 5.04	301 5.00	126 25.1	974 5.01	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00	Jul-04-19 08:00				Jul-04-19 08:00
	<i>Analyzed:</i>	Jul-04-19 12:44	Jul-04-19 13:08				Jul-04-19 13:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<15.0 15.0				<15.0 15.0
	Diesel Range Organics (DRO)	<15.0 15.0	<15.0 15.0				<15.0 15.0
	Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0	<15.0 15.0				<15.0 15.0
Total TPH	<15.0 15.0	<15.0 15.0				<15.0 15.0	

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-013	629653-014	629653-015	629653-016	629653-017	629653-018
	<i>Field Id:</i>	AH 3 (1-1.5')	AH 3 (2-2.5')	AH3 (3-3.5')	AH3 (4-4.5')	AH3 (5-5.5')	AH4 (0-1')
	<i>Depth:</i>	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	5-5.5 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20					Jul-08-19 12:20
	<i>Analyzed:</i>	Jul-09-19 13:57					Jul-09-19 14:20
	<i>Units/RL:</i>	mg/kg RL					mg/kg RL
	Benzene	<0.00199 0.00199					<0.00199 0.00199
	Toluene	<0.00199 0.00199					<0.00199 0.00199
	Ethylbenzene	<0.00199 0.00199					<0.00199 0.00199
	m,p-Xylenes	<0.00398 0.00398					<0.00398 0.00398
	o-Xylene	<0.00199 0.00199					<0.00199 0.00199
Total Xylenes	<0.00199 0.00199					<0.00199 0.00199	
Total BTEX	<0.00199 0.00199					<0.00199 0.00199	
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30
	<i>Analyzed:</i>	Jul-03-19 06:13	Jul-03-19 06:20	Jul-03-19 06:42	Jul-03-19 06:49	Jul-03-19 06:57	Jul-03-19 07:04
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	841 5.00	204 5.05	156 4.98	88.9 4.96	37.9 4.97	11.1 5.04	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00					Jul-04-19 08:00
	<i>Analyzed:</i>	Jul-04-19 13:57					Jul-04-19 14:21
	<i>Units/RL:</i>	mg/kg RL					mg/kg RL
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0					<15.0 15.0
	Diesel Range Organics (DRO)	<15.0 15.0					<15.0 15.0
	Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0					<15.0 15.0
Total TPH	<15.0 15.0					<15.0 15.0	

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
 Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-019	629653-020	629653-021	629653-022	629653-023	629653-024
	<i>Field Id:</i>	AH4 (1-1.5')	AH4 (2-2.5')	AH4 (3-3.5')	AH4 (4-4.5')	AH5 (0-1')	AH5 (1-1.5')
	<i>Depth:</i>	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	0-1 ft	1-1.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20				Jul-08-19 12:20	Jul-08-19 12:20
	<i>Analyzed:</i>	Jul-09-19 14:43				Jul-09-19 15:07	Jul-09-19 16:53
	<i>Units/RL:</i>	mg/kg RL				mg/kg RL	mg/kg RL
	Benzene	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200
	Toluene	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200
	Ethylbenzene	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200
	m,p-Xylenes	<0.00399 0.00399				<0.00403 0.00403	<0.00399 0.00399
	o-Xylene	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200
Total Xylenes	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200	
Total BTEX	<0.00200 0.00200				<0.00202 0.00202	<0.00200 0.00200	
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:30	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50
	<i>Analyzed:</i>	Jul-03-19 07:11	Jul-03-19 07:18	Jul-03-19 07:26	Jul-02-19 19:44	Jul-02-19 19:59	Jul-02-19 20:04
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	75.9 4.99	171 4.95	92.9 5.00	70.6 5.00	2080 24.8	1090 25.1	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00				Jul-04-19 08:00	Jul-04-19 08:00
	<i>Analyzed:</i>	Jul-04-19 14:45				Jul-04-19 15:09	Jul-04-19 15:33
	<i>Units/RL:</i>	mg/kg RL				mg/kg RL	mg/kg RL
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0				<15.0 15.0	<15.0 15.0
	Diesel Range Organics (DRO)	<15.0 15.0				<15.0 15.0	<15.0 15.0
Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0				<15.0 15.0	<15.0 15.0	
Total TPH	<15.0 15.0				<15.0 15.0	<15.0 15.0	

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-025	629653-026	629653-027	629653-028	629653-029	629653-030
	<i>Field Id:</i>	AH5 (2-2.5')	AH5 (3-3.5')	AH5 (4-4.5')	AH5 (5-5.5')	AH5 (6-6.5')	AH5 (7-7.5')
	<i>Depth:</i>	2-2.5 ft	3-3.5 ft	4-4.5 ft	5-5.5 ft	6-6.5 ft	7-7.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00					
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:50					
	<i>Analyzed:</i>	Jul-02-19 20:09	Jul-02-19 20:13	Jul-02-19 20:28	Jul-02-19 20:33	Jul-02-19 20:38	Jul-02-19 20:42
	<i>Units/RL:</i>	mg/kg RL					
Chloride		567 4.98	229 24.9	301 25.0	307 25.0	196 25.0	437 25.0

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-031	629653-032	629653-033	629653-034	629653-035	629653-036
	<i>Field Id:</i>	AH6 (0-1')	AH6 (1-1.5')	AH6 (2-2.5')	AH6 (3-3.5')	AH6 (4-4.5')	AH6 (5-5.5')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	5-5.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20	Jul-08-19 12:20				
	<i>Analyzed:</i>	Jul-09-19 17:16	Jul-09-19 17:39				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
	Benzene	<0.00200 0.00200	<0.00200 0.00200				
	Toluene	<0.00200 0.00200	<0.00200 0.00200				
	Ethylbenzene	<0.00200 0.00200	<0.00200 0.00200				
	m,p-Xylenes	<0.00400 0.00400	<0.00399 0.00399				
	o-Xylene	<0.00200 0.00200	<0.00200 0.00200				
Total Xylenes	<0.00200 0.00200	<0.00200 0.00200					
Total BTEX	<0.00200 0.00200	<0.00200 0.00200					
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50
	<i>Analyzed:</i>	Jul-02-19 20:47	Jul-02-19 20:52	Jul-02-19 21:07	Jul-02-19 21:11	Jul-02-19 21:26	Jul-03-19 08:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	4380 24.8	585 5.02	99.8 4.99	127 5.05	28.3 4.97	33.1 4.95	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00	Jul-04-19 08:00				
	<i>Analyzed:</i>	Jul-04-19 16:21	Jul-04-19 16:45				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<15.0 15.0				
	Diesel Range Organics (DRO)	<15.0 15.0	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0	<15.0 15.0					
Total TPH	<15.0 15.0	<15.0 15.0					

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-037	629653-038	629653-039	629653-040	629653-041	629653-042
	<i>Field Id:</i>	AH7 (0-1')	AH7 (1-1.5')	AH7 (2-2.5')	AH7 (3-3.5')	AH7 (4-4.5')	AH8 (0-1')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20	Jul-08-19 12:20				Jul-08-19 12:20
	<i>Analyzed:</i>	Jul-09-19 18:03	Jul-09-19 18:26				Jul-09-19 18:49
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
	Benzene	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199
	Toluene	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199
	Ethylbenzene	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199
	m,p-Xylenes	<0.00398 0.00398	<0.00402 0.00402				<0.00398 0.00398
	o-Xylene	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199
Total Xylenes	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199	
Total BTEX	<0.00199 0.00199	<0.00201 0.00201				<0.00199 0.00199	
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-02-19 16:50	Jul-03-19 16:15
	<i>Analyzed:</i>	Jul-02-19 21:36	Jul-02-19 21:41	Jul-02-19 21:45	Jul-02-19 21:50	Jul-02-19 21:55	Jul-03-19 19:18
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3850 25.2	513 4.95	14.7 5.01	11.0 4.99	93.4 4.97	2390 24.9
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00	Jul-04-19 08:00				Jul-04-19 08:00
	<i>Analyzed:</i>	Jul-04-19 17:09	Jul-04-19 17:33				Jul-04-19 17:57
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<15.0 15.0				<14.9 14.9
	Diesel Range Organics (DRO)	<15.0 15.0	<15.0 15.0				<14.9 14.9
	Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0	<15.0 15.0				<14.9 14.9
Total TPH	<15.0 15.0	<15.0 15.0				<14.9 14.9	

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	629653-043	629653-044	629653-045	629653-046	629653-047	629653-048
	<i>Field Id:</i>	AH8 (1-1.5')	AH9 (0-1')	AH9 (1-1.5')	AH9 (2-2.5')	AH9 (3-3.5')	AH9 (4-4.5')
	<i>Depth:</i>	1-1.5 ft	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft	4-4.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00	Jun-27-19 00:00
BTEX by EPA 8021B SUB: T104704400-18-16	<i>Extracted:</i>	Jul-08-19 12:20	Jul-08-19 12:20	Jul-08-19 12:20			
	<i>Analyzed:</i>	Jul-09-19 19:12	Jul-09-19 19:35	Jul-09-19 19:58			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
	Benzene	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199			
	Toluene	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199			
	Ethylbenzene	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199			
	m,p-Xylenes	<0.00401 0.00401	<0.00399 0.00399	<0.00398 0.00398			
	o-Xylene	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199			
Total Xylenes	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199				
Total BTEX	<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199				
Chloride by EPA 300 SUB: T104704400-18-16	<i>Extracted:</i>	Jul-03-19 16:15	Jul-03-19 16:15	Jul-03-19 16:15	Jul-03-19 16:15	Jul-03-19 16:15	Jul-03-19 16:15
	<i>Analyzed:</i>	Jul-03-19 19:23	Jul-03-19 19:27	Jul-03-19 19:32	Jul-03-19 19:52	Jul-03-19 19:56	Jul-03-19 18:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride	905 5.00	906 5.00	102 5.01	99.8 5.05	65.9 4.96	10.5 5.03	
TPH By SW8015 Mod SUB: T104704400-18-16	<i>Extracted:</i>	Jul-04-19 08:00	Jul-04-19 08:00	Jul-04-19 08:00			
	<i>Analyzed:</i>	Jul-04-19 18:21	Jul-04-19 18:45	Jul-04-19 19:09			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<15.0 15.0	<15.0 15.0			
	Diesel Range Organics (DRO)	<15.0 15.0	<15.0 15.0	<15.0 15.0			
Motor Oil Range Hydrocarbons (MRO)	<15.0 15.0	<15.0 15.0	<15.0 15.0				
Total TPH	<15.0 15.0	<15.0 15.0	<15.0 15.0				

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:
Contact: Clair Gonzales
Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm
Report Date: 11-JUL-19
Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	629653-049				
	Field Id:	AH9 (5-5.5')				
	Depth:	5-5.5 ft				
	Matrix:	SOIL				
	Sampled:	Jun-27-19 00:00				
Chloride by EPA 300 SUB: T104704400-18-16	Extracted:	Jul-03-19 16:15				
	Analyzed:	Jul-03-19 19:37				
	Units/RL:	mg/kg RL				
Chloride		12.0 4.99				

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Jessica Kramer
Project Assistant

Analytical Report 629653

for
Tetra Tech- Midland

Project Manager: Clair Gonzales

EOG - Neptune 10- State CTB

11-JUL-19

Collected By: Client



**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)



11-JUL-19

Project Manager: **Clair Gonzales**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: XENCO Report No(s): **629653**

EOG - Neptune 10- State CTB

Project Address: Lea County, NM

Clair Gonzales:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 629653. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 629653 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Jessica Kramer'.

Jessica Kramer

Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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Sample Cross Reference 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH 1 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-001
AH 1 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-002
AH 1 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-003
AH 1 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-004
AH 1 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-005
AH 1 (5-5.5')	S	06-27-19 00:00	5 - 5.5 ft	629653-006
AH 2 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-007
AH 2 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-008
AH 2 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-009
AH 2 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-010
AH 2 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-011
AH 3 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-012
AH 3 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-013
AH 3 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-014
AH3 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-015
AH3 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-016
AH3 (5-5.5')	S	06-27-19 00:00	5 - 5.5 ft	629653-017
AH4 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-018
AH4 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-019
AH4 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-020
AH4 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-021
AH4 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-022
AH5 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-023
AH5 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-024
AH5 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-025
AH5 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-026
AH5 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-027
AH5 (5-5.5')	S	06-27-19 00:00	5 - 5.5 ft	629653-028
AH5 (6-6.5')	S	06-27-19 00:00	6 - 6.5 ft	629653-029
AH5 (7-7.5')	S	06-27-19 00:00	7 - 7.5 ft	629653-030
AH6 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-031
AH6 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-032
AH6 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-033
AH6 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-034
AH6 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-035
AH6 (5-5.5')	S	06-27-19 00:00	5 - 5.5 ft	629653-036
AH7 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-037
AH7 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-038
AH7 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-039
AH7 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-040
AH7 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-041
AH8 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-042
AH8 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-043



Sample Cross Reference 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

AH9 (0-1')	S	06-27-19 00:00	0 - 1 ft	629653-044
AH9 (1-1.5')	S	06-27-19 00:00	1 - 1.5 ft	629653-045
AH9 (2-2.5')	S	06-27-19 00:00	2 - 2.5 ft	629653-046
AH9 (3-3.5')	S	06-27-19 00:00	3 - 3.5 ft	629653-047
AH9 (4-4.5')	S	06-27-19 00:00	4 - 4.5 ft	629653-048
AH9 (5-5.5')	S	06-27-19 00:00	5 - 5.5 ft	629653-049

**CASE NARRATIVE***Client Name: Tetra Tech- Midland**Project Name: EOG - Neptune 10- State CTB*Project ID:
Work Order Number(s): 629653Report Date: 11-JUL-19
Date Received: 07/01/2019**Sample receipt non conformances and comments:**

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3094272 Chloride by EPA 300

Lab Sample ID 629653-032 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 629653-022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3094286 Chloride by EPA 300

Lab Sample ID 629653-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 629653-002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3094460 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 629653-001 SD, 629653-018.

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 629653-043.

Batch: LBA-3094951 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 629653-042.



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-001	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.20	Basis: Wet Weight
Seq Number: 3094285		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.5	5.04	mg/kg	07.03.19 03.26		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 11.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 11.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 11.08	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 11.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	07.04.19 11.08	
o-Terphenyl	84-15-1	128	%	70-135	07.04.19 11.08	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-001	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 12.02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 12.02	U	1
Ethylbenzene	100-41-4	0.00286	0.00200	mg/kg	07.09.19 12.02		1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.09.19 12.02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 12.02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 12.02	U	1
Total BTEX		0.00286	0.00200	mg/kg	07.09.19 12.02		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	70-130	07.09.19 12.02		
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.09.19 12.02		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-002	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4940	24.9	mg/kg	07.03.19 04.32		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	07.04.19 12.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	07.04.19 12.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	07.04.19 12.20	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	07.04.19 12.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	07.04.19 12.20	
o-Terphenyl	84-15-1	120	%	70-135	07.04.19 12.20	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-002	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.09.19 12.25	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.09.19 12.25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.09.19 12.25		
1,4-Difluorobenzene	540-36-3	93	%	70-130	07.09.19 12.25		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-003

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1470	4.99	mg/kg	07.03.19 08.17		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (3-3.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-004

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	57.2	5.00	mg/kg	07.03.19 04.10		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-005

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	84.0	4.95	mg/kg	07.03.19 04.46		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-006

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.4	4.98	mg/kg	07.03.19 04.53		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-007	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	909	5.02	mg/kg	07.03.19 05.15		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 12.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 12.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 12.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 12.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	07.04.19 12.44	
o-Terphenyl	84-15-1	117	%	70-135	07.04.19 12.44	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-007	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.09.19 12.48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.09.19 12.48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.09.19 12.48		
1,4-Difluorobenzene	540-36-3	90	%	70-130	07.09.19 12.48		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-008	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	354	4.95	mg/kg	07.03.19 05.22		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 13.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 13.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 13.08	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 13.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	07.04.19 13.08	
o-Terphenyl	84-15-1	122	%	70-135	07.04.19 13.08	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-008	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.09.19 13.11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.09.19 13.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.09.19 13.11		
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.09.19 13.11		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-009

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	218	5.04	mg/kg	07.03.19 05.30		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-010

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	301	5.00	mg/kg	07.03.19 05.37		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-011

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	126	25.1	mg/kg	07.03.19 05.51		5



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-012	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	974	5.01	mg/kg	07.03.19 05.44		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 13.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 13.32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 13.32	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 13.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	07.04.19 13.32	
o-Terphenyl	84-15-1	109	%	70-135	07.04.19 13.32	



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-012	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.09.19 13.34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 13.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	112	%	70-130	07.09.19 13.34		
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.09.19 13.34		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-013	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	841	5.00	mg/kg	07.03.19 06.13		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 13.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 13.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 13.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 13.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	07.04.19 13.57	
o-Terphenyl	84-15-1	112	%	70-135	07.04.19 13.57	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-013	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.09.19 13.57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.09.19 13.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	70-130	07.09.19 13.57		
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.09.19 13.57		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-014

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	204	5.05	mg/kg	07.03.19 06.20		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH3 (3-3.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-015

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	156	4.98	mg/kg	07.03.19 06.42		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH3 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-016

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	88.9	4.96	mg/kg	07.03.19 06.49		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH3 (5-5.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-017

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	37.9	4.97	mg/kg	07.03.19 06.57		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-018	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.1	5.04	mg/kg	07.03.19 07.04		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 14.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 14.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 14.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 14.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	07.04.19 14.21	
o-Terphenyl	84-15-1	136	%	70-135	07.04.19 14.21	**



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-018	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.09.19 14.20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.09.19 14.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.09.19 14.20		
1,4-Difluorobenzene	540-36-3	93	%	70-130	07.09.19 14.20		



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-019	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.30	Basis: Wet Weight
Seq Number: 3094286		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	75.9	4.99	mg/kg	07.03.19 07.11		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 14.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 14.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 14.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 14.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	07.04.19 14.45	
o-Terphenyl	84-15-1	114	%	70-135	07.04.19 14.45	



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-019	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.09.19 14.43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 14.43	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91		%	70-130	07.09.19 14.43	
4-Bromofluorobenzene	460-00-4	112		%	70-130	07.09.19 14.43	



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-020

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	171	4.95	mg/kg	07.03.19 07.18		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (3-3.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-021

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	92.9	5.00	mg/kg	07.03.19 07.26		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-022

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	70.6	5.00	mg/kg	07.02.19 19.44		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-023	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2080	24.8	mg/kg	07.02.19 19.59		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 15.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 15.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 15.09	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 15.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	07.04.19 15.09	
o-Terphenyl	84-15-1	100	%	70-135	07.04.19 15.09	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-023

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	07.09.19 15.07	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
Total BTEX		<0.00202	0.00202	mg/kg	07.09.19 15.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	112	%	70-130	07.09.19 15.07		
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.09.19 15.07		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-024	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1090	25.1	mg/kg	07.02.19 20.04		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 15.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 15.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 15.33	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 15.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	07.04.19 15.33	
o-Terphenyl	84-15-1	124	%	70-135	07.04.19 15.33	



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-024	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.09.19 16.53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 16.53	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113		%	70-130	07.09.19 16.53	
1,4-Difluorobenzene	540-36-3	92		%	70-130	07.09.19 16.53	



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-025

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	567	4.98	mg/kg	07.02.19 20.09		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (3-3.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-026

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	229	24.9	mg/kg	07.02.19 20.13		5



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-027

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	301	25.0	mg/kg	07.02.19 20.28		5



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (5-5.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-028

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	307	25.0	mg/kg	07.02.19 20.33		5



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH5 (6-6.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-029

Date Collected: 06.27.19 00.00

Sample Depth: 6 - 6.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	196	25.0	mg/kg	07.02.19 20.38		5



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (7-7.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-030

Date Collected: 06.27.19 00.00

Sample Depth: 7 - 7.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	437	25.0	mg/kg	07.02.19 20.42		5



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH6 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-031	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4380	24.8	mg/kg	07.02.19 20.47		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 16.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 16.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 16.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 16.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	07.04.19 16.21	
o-Terphenyl	84-15-1	119	%	70-135	07.04.19 16.21	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH6 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-031	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	07.09.19 17.16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 17.16	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108		%	70-130	07.09.19 17.16	
1,4-Difluorobenzene	540-36-3	94		%	70-130	07.09.19 17.16	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH6 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-032	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	585	5.02	mg/kg	07.02.19 20.52		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 16.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 16.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 16.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 16.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	131	%	70-135	07.04.19 16.45	
o-Terphenyl	84-15-1	128	%	70-135	07.04.19 16.45	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-032

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.09.19 17.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 17.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	114	%	70-130	07.09.19 17.39		
1,4-Difluorobenzene	540-36-3	90	%	70-130	07.09.19 17.39		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-033

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	99.8	4.99	mg/kg	07.02.19 21.07		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-034

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	127	5.05	mg/kg	07.02.19 21.11		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-035

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.3	4.97	mg/kg	07.02.19 21.26		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-036

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	33.1	4.95	mg/kg	07.03.19 08.20		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-037	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3850	25.2	mg/kg	07.02.19 21.36		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 17.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 17.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 17.09	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 17.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	07.04.19 17.09	
o-Terphenyl	84-15-1	102	%	70-135	07.04.19 17.09	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-037	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.09.19 18.03	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.09.19 18.03	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93		%	70-130	07.09.19 18.03	
4-Bromofluorobenzene	460-00-4	108		%	70-130	07.09.19 18.03	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-038	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.02.19 16.50	Basis: Wet Weight
Seq Number: 3094272		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	513	4.95	mg/kg	07.02.19 21.41		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 17.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 17.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 17.33	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 17.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	07.04.19 17.33	
o-Terphenyl	84-15-1	112	%	70-135	07.04.19 17.33	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-038	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.09.19 18.26	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.09.19 18.26	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91		%	70-130	07.09.19 18.26	
4-Bromofluorobenzene	460-00-4	108		%	70-130	07.09.19 18.26	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (2-2.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-039

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.7	5.01	mg/kg	07.02.19 21.45		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (3-3.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-040

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.0	4.99	mg/kg	07.02.19 21.50		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-041

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	93.4	4.97	mg/kg	07.02.19 21.55		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH8 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-042	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.03.19 16.15	Basis: Wet Weight
Seq Number: 3094423		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2390	24.9	mg/kg	07.03.19 19.18		5

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	07.04.19 17.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	07.04.19 17.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	07.04.19 17.57	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	07.04.19 17.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	07.04.19 17.57	
o-Terphenyl	84-15-1	120	%	70-135	07.04.19 17.57	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH8 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-042	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.09.19 18.49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.09.19 18.49	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	164	%	70-130	07.09.19 18.49	**	
1,4-Difluorobenzene	540-36-3	87	%	70-130	07.09.19 18.49		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH8 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-043	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.03.19 16.15	Basis: Wet Weight
Seq Number: 3094423		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	905	5.00	mg/kg	07.03.19 19.23		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 18.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 18.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 18.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 18.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	142	%	70-135	07.04.19 18.21	**
o-Terphenyl	84-15-1	135	%	70-135	07.04.19 18.21	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH8 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-043	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.09.19 19.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 19.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.09.19 19.12		
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.09.19 19.12		



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-044	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.03.19 16.15	Basis: Wet Weight
Seq Number: 3094423		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	906	5.00	mg/kg	07.03.19 19.27		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 18.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 18.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 18.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 18.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	07.04.19 18.45	
o-Terphenyl	84-15-1	109	%	70-135	07.04.19 18.45	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (0-1')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-044	Date Collected: 06.27.19 00.00	Sample Depth: 0 - 1 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.09.19 19.35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.09.19 19.35	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91		%	70-130	07.09.19 19.35	
4-Bromofluorobenzene	460-00-4	111		%	70-130	07.09.19 19.35	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-045	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.03.19 16.15	Basis: Wet Weight
Seq Number: 3094423		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	102	5.01	mg/kg	07.03.19 19.32		1

Analytical Method: TPH By SW8015 Mod		Prep Method: TX1005P
Tech: DVM		% Moisture:
Analyst: ARM	Date Prep: 07.04.19 08.00	Basis: Wet Weight
Seq Number: 3094460		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.04.19 19.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.04.19 19.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	07.04.19 19.09	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.04.19 19.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	07.04.19 19.09	
o-Terphenyl	84-15-1	106	%	70-135	07.04.19 19.09	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (1-1.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-045	Date Collected: 06.27.19 00.00	Sample Depth: 1 - 1.5 ft
Analytical Method: BTEX by EPA 8021B		Prep Method: SW5030B
Tech: DVM		% Moisture:
Analyst: AMB	Date Prep: 07.08.19 12.20	Basis: Wet Weight
Seq Number: 3094951		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.09.19 19.58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.09.19 19.58	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89		%	70-130	07.09.19 19.58	
4-Bromofluorobenzene	460-00-4	111		%	70-130	07.09.19 19.58	



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (2-2.5')	Matrix: Soil	Date Received: 07.01.19 13.00
Lab Sample Id: 629653-046	Date Collected: 06.27.19 00.00	Sample Depth: 2 - 2.5 ft
Analytical Method: Chloride by EPA 300		Prep Method: E300P
Tech: CHE		% Moisture:
Analyst: CHE	Date Prep: 07.03.19 16.15	Basis: Wet Weight
Seq Number: 3094423		SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	99.8	5.05	mg/kg	07.03.19 19.52		1



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Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH9 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-047

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	65.9	4.96	mg/kg	07.03.19 19.56		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH9 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-048

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.5	5.03	mg/kg	07.03.19 18.29		1



Certificate of Analytical Results 629653

Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH9 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-049

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.0	4.99	mg/kg	07.03.19 19.37		1



Tetra Tech- Midland
EOG - Neptune 10- State CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3094285

MB Sample Id: 7681270-1-BLK

Matrix: Solid

LCS Sample Id: 7681270-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681270-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	252	101	252	101	90-110	0	20	mg/kg	07.02.19 23:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3094286

MB Sample Id: 7681271-1-BLK

Matrix: Solid

LCS Sample Id: 7681271-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681271-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	255	102	255	102	90-110	0	20	mg/kg	07.03.19 03:55	

Analytical Method: Chloride by EPA 300

Seq Number: 3094272

MB Sample Id: 7681272-1-BLK

Matrix: Solid

LCS Sample Id: 7681272-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681272-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	251	100	250	100	90-110	0	20	mg/kg	07.02.19 19:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3094423

MB Sample Id: 7681374-1-BLK

Matrix: Solid

LCS Sample Id: 7681374-1-BKS

Prep Method: E300P

Date Prep: 07.03.19

LCSD Sample Id: 7681374-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	239	96	239	96	90-110	0	20	mg/kg	07.03.19 18:20	

Analytical Method: Chloride by EPA 300

Seq Number: 3094285

Parent Sample Id: 629639-005

Matrix: Soil

MS Sample Id: 629639-005 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629639-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.864	252	253	100	254	101	90-110	0	20	mg/kg	07.03.19 00:18	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Tetra Tech- Midland
EOG - Neptune 10- State CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3094285

Parent Sample Id: 629639-015

Matrix: Soil

MS Sample Id: 629639-015 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629639-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	117	250	368	100	367	100	90-110	0	20	mg/kg	07.03.19 01:59	

Analytical Method: Chloride by EPA 300

Seq Number: 3094286

Parent Sample Id: 629653-004

Matrix: Soil

MS Sample Id: 629653-004 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	57.2	250	309	101	309	101	90-110	0	20	mg/kg	07.03.19 04:17	

Analytical Method: Chloride by EPA 300

Seq Number: 3094286

Parent Sample Id: 629653-011

Matrix: Soil

MS Sample Id: 629653-011 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	126	251	293	67	292	66	90-110	0	20	mg/kg	07.03.19 05:59	X

Analytical Method: Chloride by EPA 300

Seq Number: 3094272

Parent Sample Id: 629653-022

Matrix: Soil

MS Sample Id: 629653-022 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	70.6	250	313	97	312	97	90-110	0	20	mg/kg	07.02.19 19:49	

Analytical Method: Chloride by EPA 300

Seq Number: 3094272

Parent Sample Id: 629653-032

Matrix: Soil

MS Sample Id: 629653-032 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-032 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	585	251	789	81	790	82	90-110	0	20	mg/kg	07.02.19 20:57	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Tetra Tech- Midland
EOG - Neptune 10- State CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3094423

Parent Sample Id: 629653-048

Matrix: Soil

MS Sample Id: 629653-048 S

Prep Method: E300P

Date Prep: 07.03.19

MSD Sample Id: 629653-048 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10.5	252	268	102	269	103	90-110	0	20	mg/kg	07.03.19 18:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3094423

Parent Sample Id: 629653-049

Matrix: Soil

MS Sample Id: 629653-049 S

Prep Method: E300P

Date Prep: 07.03.19

MSD Sample Id: 629653-049 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.0	250	268	102	265	101	90-110	1	20	mg/kg	07.03.19 19:42	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3094460

MB Sample Id: 7681386-1-BLK

Matrix: Solid

LCS Sample Id: 7681386-1-BKS

Prep Method: TX1005P

Date Prep: 07.04.19

LCSD Sample Id: 7681386-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1120	112	1150	115	70-135	3	20	mg/kg	07.04.19 10:18	
Diesel Range Organics (DRO)	<8.13	1000	1120	112	1100	110	70-135	2	20	mg/kg	07.04.19 10:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		114		102		70-135	%	07.04.19 10:18
o-Terphenyl	113		130		115		70-135	%	07.04.19 10:18

Analytical Method: TPH By SW8015 Mod

Seq Number: 3094460

Parent Sample Id: 629653-001

Matrix: Soil

MS Sample Id: 629653-001 S

Prep Method: TX1005P

Date Prep: 07.04.19

MSD Sample Id: 629653-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	14.5	998	1190	118	1190	118	70-135	0	20	mg/kg	07.04.19 11:32	
Diesel Range Organics (DRO)	12.4	998	1150	114	1220	121	70-135	6	20	mg/kg	07.04.19 11:32	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		109		70-135	%	07.04.19 11:32
o-Terphenyl	128		136	**	70-135	%	07.04.19 11:32

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Tetra Tech- Midland
EOG - Neptune 10- State CTB

Analytical Method: BTEX by EPA 8021B

Seq Number: 3094951

MB Sample Id: 7681537-1-BLK

Matrix: Solid

LCS Sample Id: 7681537-1-BKS

Prep Method: SW5030B

Date Prep: 07.08.19

LCSD Sample Id: 7681537-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0778	78	0.0883	88	70-130	13	35	mg/kg	07.09.19 09:13	
Toluene	<0.000454	0.0996	0.0955	96	0.104	104	70-130	9	35	mg/kg	07.09.19 09:13	
Ethylbenzene	<0.00199	0.0996	0.109	109	0.116	116	70-130	6	35	mg/kg	07.09.19 09:13	
m,p-Xylenes	<0.00101	0.199	0.215	108	0.229	114	70-130	6	35	mg/kg	07.09.19 09:13	
o-Xylene	0.000750	0.0996	0.102	102	0.109	109	70-130	7	35	mg/kg	07.09.19 09:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		87		90		70-130	%	07.09.19 09:13
4-Bromofluorobenzene	101		108		104		70-130	%	07.09.19 09:13

Analytical Method: BTEX by EPA 8021B

Seq Number: 3094951

Parent Sample Id: 629639-021

Matrix: Soil

MS Sample Id: 629639-021 S

Prep Method: SW5030B

Date Prep: 07.08.19

MSD Sample Id: 629639-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0791	78	0.0789	79	70-130	0	35	mg/kg	07.09.19 09:59	
Toluene	<0.000458	0.101	0.0828	82	0.0829	83	70-130	0	35	mg/kg	07.09.19 09:59	
Ethylbenzene	<0.00201	0.101	0.0812	80	0.0864	87	70-130	6	35	mg/kg	07.09.19 09:59	
m,p-Xylenes	<0.00102	0.201	0.143	71	0.149	75	70-130	4	35	mg/kg	07.09.19 09:59	
o-Xylene	<0.000346	0.101	0.0802	79	0.0826	83	70-130	3	35	mg/kg	07.09.19 09:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		92		70-130	%	07.09.19 09:59
4-Bromofluorobenzene	112		114		70-130	%	07.09.19 09:59

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

1029653

Page 2 of 5

Client Name: **EOG** Site Manager: **Clain Gonzales**

Project Name: **Naptune 10 State CTR**

Project Location: **Loca CO, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - James Kennedy & Todd Wells**

Receiving Laboratory: **Xanco** Sampler Signature: **Tony Legarda**

Comments: **Ran deeper samples if benzene exceeds 10 mg/kg or TPH exceeds 100 mg/kg on it**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	YEAR: 2019	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
AH2	(4-4.5')	6/27/19		X				X		1	N	
AH3	(0-1')											
AH3	(1-1.5')											
AH3	(2-2.5')											
AH3	(3-3.5')											
AH3	(4-4.5')											
AH3	(5-5.5')											
AH4	(0-1')											
AH4	(1-1.5')											
AH4	(2-2.5')											

Requested by: **Matthew E. Brown** Date: **7/1/19** Time: **1300**

Received by: **[Signature]** Date: **7/1/19** Time: **13:00**

Requested by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

LAB USE ONLY	REMARKS:	STANDARD
<input checked="" type="checkbox"/>		
<input type="checkbox"/>	RUSH: Same Day	24 hr
<input type="checkbox"/>	Rush Charges Authorized	48 hr
<input type="checkbox"/>	Special Report Limits or TRRP Report	72 hr

Sample Temperature: **40C**

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ANALYSIS REQUEST (Circle or Specify Method No.)	
<input type="checkbox"/>	BTEX 8021B BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input type="checkbox"/>	PAH 8270C
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PLM (Asbestos)
<input type="checkbox"/>	Chloride
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	Hold

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Mail Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

629653

Page 3 of 5

Client Name: **EOG** Site Manager: **Clain Gonzales**

Project Name: **Neptune 10 State CTR**

Project Location: **Lea CO, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - James Kennedy & Todd Wells**

Receiving Laboratory: **Xanco** Sampler Signature: **Tony Legonda**

Comments: **Ran deeper samples if benzene exceeds 10mg/kg or BTEX exceeds 50mg/kg or if TPH or cecls 100mg/kg**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)
		DATE	TIME				
	AH 4 (3-3.5')	6/27/19		X	X	1	N
	AH 4 (4-4.5')						
	AH 5 (0-1')						
	AH 5 (1-1.5')						
	AH 5 (2-2.5')						
	AH 5 (3-3.5')						
	AH 5 (4-4.5')						
	AH 5 (5-5.5')						
	AH 5 (6-6.5')						
	AH 5 (7-7.5')						

Inquired by: **Madison S. ...** Date: **7/1/19** Time: **1300**

Inquired by: **...** Date: **7/1/19** Time: **13:00**

Inquired by: **...** Date: **...** Time: **...**

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B	<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	<input type="checkbox"/>	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)	<input type="checkbox"/>	
<input type="checkbox"/>	PAH 8270C	<input type="checkbox"/>	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Semi Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	RCI	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	<input type="checkbox"/>	
<input type="checkbox"/>	PCB's 8082 / 608	<input type="checkbox"/>	
<input type="checkbox"/>	NORM	<input type="checkbox"/>	
<input type="checkbox"/>	PLM (Asbestos)	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride Sulfate TDS	<input type="checkbox"/>	
<input type="checkbox"/>	General Water Chemistry (see attached list)	<input type="checkbox"/>	
<input type="checkbox"/>	Anion/Cation Balance	<input type="checkbox"/>	
<input type="checkbox"/>	Hold	<input type="checkbox"/>	

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: **40C**

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, TX 79705
Tel (432) 682-4559
Fax (432) 682-3946

029653 Page 4 of 5

Client Name: **EOG** Site Manager: **Clain Gonzales**

Project Name: **Neptune 10 State CTR**

Project Location: **Loca CO, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - James Kennedy & Todd Wells**

Receiving Laboratory: **Xanco** Sampler Signature: **Tony Legarda**

Comments: **Run deeper samples if benzene exceeds 10mg/kg or TPH exceeds 100mg/kg or BTEX**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
	AH6 (0-1')	6/27/19		X				X	1	N
	AH6 (1-1.5')									X
	AH6 (2-2.5')									X
	AH6 (3-3.5')									X
	AH6 (4-4.5')									X
	AH6 (5-5.5')									X
	AH7 (0-1')									X
	AH7 (1-1.5')									X
	AH7 (2-2.5')									X
	AH7 (3-3.5')									X

Relinquished by: **Edward G. Brubaker** Date: **7/1/19** Time: **13:00**
 Received by: **[Signature]** Date: **7/1/19** Time: **13:00**

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

- BTEX 8021B BTEX 8260B
- TPH TX1005 (Ext to C35)
- TPH 8015M (GRO - DRO - ORO - MRO)
- PAH 8270C
- Total Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Volatiles
- TCLP Semi Volatiles
- RCI
- GC/MS Vol. 8260B / 624
- GC/MS Semi. Vol. 8270C/625
- PCB's 8082 / 608
- NORM
- PLM (Asbestos)
- Chloride
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance

LAB USE ONLY
 Sample Temperature: **40°C**

REMARKS:
 STANDARD
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

9011W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **EOG**

Site Manager: **Clain Gonzales**

Project Name: **Neptune 10 State CTR**

Project Location: **Lea CO, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - James Kennedy & Todd Wells**

Receiving Laboratory: **Xanco**

Sampler Signature: **Tony Legendry**

Comments: **Ran deeper samples if benzene exceeds 10mg/kg or BTEX exceeds 100mg/kg or if TPH exceeds 100mg/kg**

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)
		DATE	TIME	WATER	SOIL				
	AH7 (4-4.5')	6/27/19		X			1	N	BTEX 8201B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance
	AH8 (0-1')								
	AH8 (1-1.5')								
	AH9 (0-1')								
	AH9 (1-1.5')								
	AH9 (2-2.5')								
	AH9 (3-3.5')								
	AH9 (4-4.5')								
	AH9 (5-5.5')								

Inquired by: **Michael S. Bunker** Date: **7/1/19** Time: **1300**
 Received by: **[Signature]** Date: **7/1/19** Time: **13:00**

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: **40C**

ORIGINAL COPY

629653 Page 5 of 5



Inter-Office Shipment

IOS Number 42634

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

F-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629653-001	S	AH 1 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-001	S	AH 1 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-001	S	AH 1 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-002	S	AH 1 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-002	S	AH 1 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-002	S	AH 1 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-003	S	AH 1 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-004	S	AH 1 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-005	S	AH 1 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-006	S	AH 1 (5-5.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-007	S	AH 2 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-007	S	AH 2 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-007	S	AH 2 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-008	S	AH 2 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-008	S	AH 2 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-008	S	AH 2 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-009	S	AH 2 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-010	S	AH 2 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-011	S	AH 2 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-012	S	AH 3 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-012	S	AH 3 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-012	S	AH 3 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-013	S	AH 3 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-013	S	AH 3 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-013	S	AH 3 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	

IOS Number **42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

F-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629653-014	S	AH3 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-015	S	AH3 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-016	S	AH3 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-017	S	AH3 (5-5.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-018	S	AH4 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-018	S	AH4 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-018	S	AH4 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-019	S	AH4 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-019	S	AH4 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-019	S	AH4 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-020	S	AH4 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-021	S	AH4 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-022	S	AH4 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-023	S	AH5 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-023	S	AH5 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-023	S	AH5 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-024	S	AH5 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-024	S	AH5 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-024	S	AH5 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-025	S	AH5 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-026	S	AH5 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-027	S	AH5 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-028	S	AH5 (5-5.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-029	S	AH5 (6-6.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-030	S	AH5 (7-7.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	

Inter Office Shipment or Sample Comments:

IOS Number **42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

F-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629653-031	S	AH6 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-031	S	AH6 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-031	S	AH6 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-032	S	AH6 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-032	S	AH6 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-032	S	AH6 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-033	S	AH6 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-034	S	AH6 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-035	S	AH6 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-036	S	AH6 (5-5.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-037	S	AH7 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-037	S	AH7 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-037	S	AH7 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-038	S	AH7 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-038	S	AH7 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-038	S	AH7 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-039	S	AH7 (2-2.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-040	S	AH7 (3-3.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-041	S	AH7 (4-4.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-042	S	AH8 (0-1)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-042	S	AH8 (0-1)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-042	S	AH8 (0-1)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-043	S	AH8 (1-1.5)	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-043	S	AH8 (1-1.5)	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-043	S	AH8 (1-1.5)	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	

Inter Office Shipment or Sample Comments:

Relinquished By:

Received By:

Released to Imaging: 9/22/2021 9:03:33 AM



Inter-Office Shipment

IOS Number 42634

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

F-Mail: kelsey.brooks@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
629653-044	S	AH9 (0-1')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-044	S	AH9 (0-1')	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-044	S	AH9 (0-1')	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-045	S	AH9 (1-1.5')	06/27/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	07/08/19	07/11/19	KEB	PHCC10C28 PHCC28C35	
629653-045	S	AH9 (1-1.5')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-045	S	AH9 (1-1.5')	06/27/19 00:00	SW8021B	BTEX by EPA 8021B	07/08/19	07/11/19	KEB	BR4FBZ BZ BZME EBZ X	
629653-046	S	AH9 (2-2.5')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-047	S	AH9 (3-3.5')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-048	S	AH9 (4-4.5')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	
629653-049	S	AH9 (5-5.5')	06/27/19 00:00	E300_CL	Chloride by EPA 300	07/08/19	12/24/19	KEB	CL	

Inter Office Shipment or Sample Comments:

Date Relinquished:

Martha Castro

07/01/2019

Date Received:

Cooler Temperature:

Brianna Teel

07/02/2019 12:14

0.6



XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : R8

IOS #: 42634

Sent By: Martha Castro

Date Sent: 07/01/2019 04:01 PM

Received By: Brianna Teel

Date Received: 07/02/2019 12:14 PM

Sample Receipt Checklist

Comments

- #1 *Temperature of cooler(s)? .6
- #2 *Shipping container in good condition? Yes
- #3 *Samples received with appropriate temperature? Yes
- #4 *Custody Seals intact on shipping container/ cooler? Yes
- #5 *Custody Seals Signed and dated for Containers/coolers Yes
- #6 *IOS present? Yes
- #7 Any missing/extra samples? No
- #8 IOS agrees with sample label(s)/matrix? Yes
- #9 Sample matrix/ properties agree with IOS? Yes
- #10 Samples in proper container/ bottle? Yes
- #11 Samples properly preserved? Yes
- #12 Sample container(s) intact? Yes
- #13 Sufficient sample amount for indicated test(s)? Yes
- #14 All samples received within hold time? Yes

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:

Brianna Teel

Date: 07/02/2019

Appendix D

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

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

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

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

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

CONDITIONS
 Action 43843

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 43843
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	9/22/2021