

Incident ID	NRM2008531986
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: 10/20/21
email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Chad Hensley Date: 11/29/2021

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

Signature: Chad Hensley Date: 11/19/2021

SITE INFORMATION

Report Type: Work Plan NRM2008531986

General Site Information:

Site:	Mamba Lay Flat Line					
Company:	EOG Resources					
Section, Township and Range	Unit M	Sec. 30	T 24S	R 33E		
County:	Eddy County					
GPS:	32.18125			-103.618252		
Surface Owner:						

Release Data:

Date Released:	8/14/2019
Type Release:	Layflat
Source of Contamination:	PW
Fluid Released:	80 PW
Fluids Recovered:	40bbls

Official Communication:

Name:	Todd Wells		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Dr		901 West Wall Street
			Suite 100
City:	Midland Texas, 79706		Midland, Texas
Phone number:	432-686-7016		(432) 687-8121
Fax:			
Email:	todd_well@eogresources.com		Clair.Gonzales@TetraTech.com

Site Characterization

Depth to Groundwater:	118' below surface
Karst Potential:	low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO+MRO)	TPH (GRO + DRO)	Chlorides
10 mg/kg	50 mg/kg	2,500	1,000	20,000

**TETRA TECH**

October 20, 2021

Environmental Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Work Plan for the EOG Resources, Mamba Lay Flat Line, Section 30, Township 24 South, Range 33 East, Lea County, New Mexico. NRM2008531986

To whom it may concern:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources (EOG) to assess and remediate a release that occurred at the EOG Resources, Mamba Lay Flat Line, Section 30, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The site coordinates are 32.181415°, -103.618184°. The site location is shown on Figures 1 and 2.

Background

According to the State of New Mexico C-141 Initial Report the release was discovered on August 14th, 2019 and released approximately 80 barrels of reuse water due to a hole opening in a lay flat line used to transfer the water from one pit to another. Approximately 40 barrels of released fluids were recovered. The release occurred in the pasture impacting areas measuring approximately 240' x 125', 850' x 8', 180' x 180', and 276' x 15' – 20'. The C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, 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 and the site is in a low karst potential area. The nearest well is listed in the USGS National Water Information Database website in Section 30, approximately 1.65 miles southeast of the site, and has a reported depth to groundwater of 118 feet below ground surface.

Tetra Tech

901 West Wall, Suite 1001, Midland, TX 79701

Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com

**TETRA TECH**

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 site characterization, the proposed RRAL for TPH is 2,500 mg/kg (GRO+DRO+MRO), 1,000 mg/kg (GRO+DRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 20,000 mg/kg.

Soil Assessment and Analytical Results

On September 26th, 2019, Tetra Tech personnel were onsite to evaluate and sample the release area. A total of sixteen (16) auger holes (AH-1 through AH-16) were installed to total depths ranging from 0-1' to 5-5.5' 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 auger hole locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. However, elevated chloride concentrations were detected. The areas of AH-4, AH-5, AH-7, AH-9, AH-11, and AH-13 through AH-16 showed chloride concentrations above the RRALs that were not vertically defined at total depths ranging from 0-1' to 4-4.5' below surface. The area of AH-3 showed a chloride concentration above the RRALs and was vertically defined at 5-5.5' below surface.

Remediation and Reclamation Activities

Based on the results of the soil assessment, Tetra Tech personnel were onsite between November of 2019 and January of 2020 to supervise the remediation and reclamation activities as well as to collect confirmation samples. The impacted areas were excavated to total depths of ranging from 4.5' to 5.5' below surface, as shown on Figures (4A, 4B, and 4C) and highlighted (green) on Table 2.

A total of 215 bottom hole samples (Bottom Hole 1 through Bottom Hole 215) and 88 sidewall samples (NSW-1 through NSW-22, WSW-1 through WSW-9, ESW-1 through ESW-11, and SSW-1 through SSW-18) were collected to ensure proper removal of the impacted soils. Additionally, internal sidewalls (NSW-23 through NSW-29, WSW-10 through WSW-16, ESW-12 through ESW-18, and SSW-19 through SSW-25) were collected at changes of depth in the deeper remediated areas at 5.5' below surface. The samples were submitted to the laboratory to be analyzed for TPH method 8015 extended, BTEX method 8021B, and Chloride by EPA Method 300.0. The sampling results are summarized in Table 2. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The excavation depths and sample locations are shown in Figure 4.

**TETRA TECH**

Referring to Table 2, all of the final confirmation samples collected showed benzene, total BTEX, chloride, and TPH concentrations below the RRALs.

Approximately 12,170 cubic yards of material was excavated and transported offsite for proper disposal. The areas were then backfilled with clean material to surface grade.

Reseeding was completed on February 20, 2020 with BLM 2 seed. The reseeded was completed to coincide with the rainy season in Southeastern New Mexico and aid in revegetation.

Work Plan

Based on the laboratory results and remediation activities performed, EOG proposes to install a groundwater determination bore within ½ mile of the site to provide current and accurate groundwater information for the area. Additionally, EOG requests a 500 square foot sampling variance. The C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

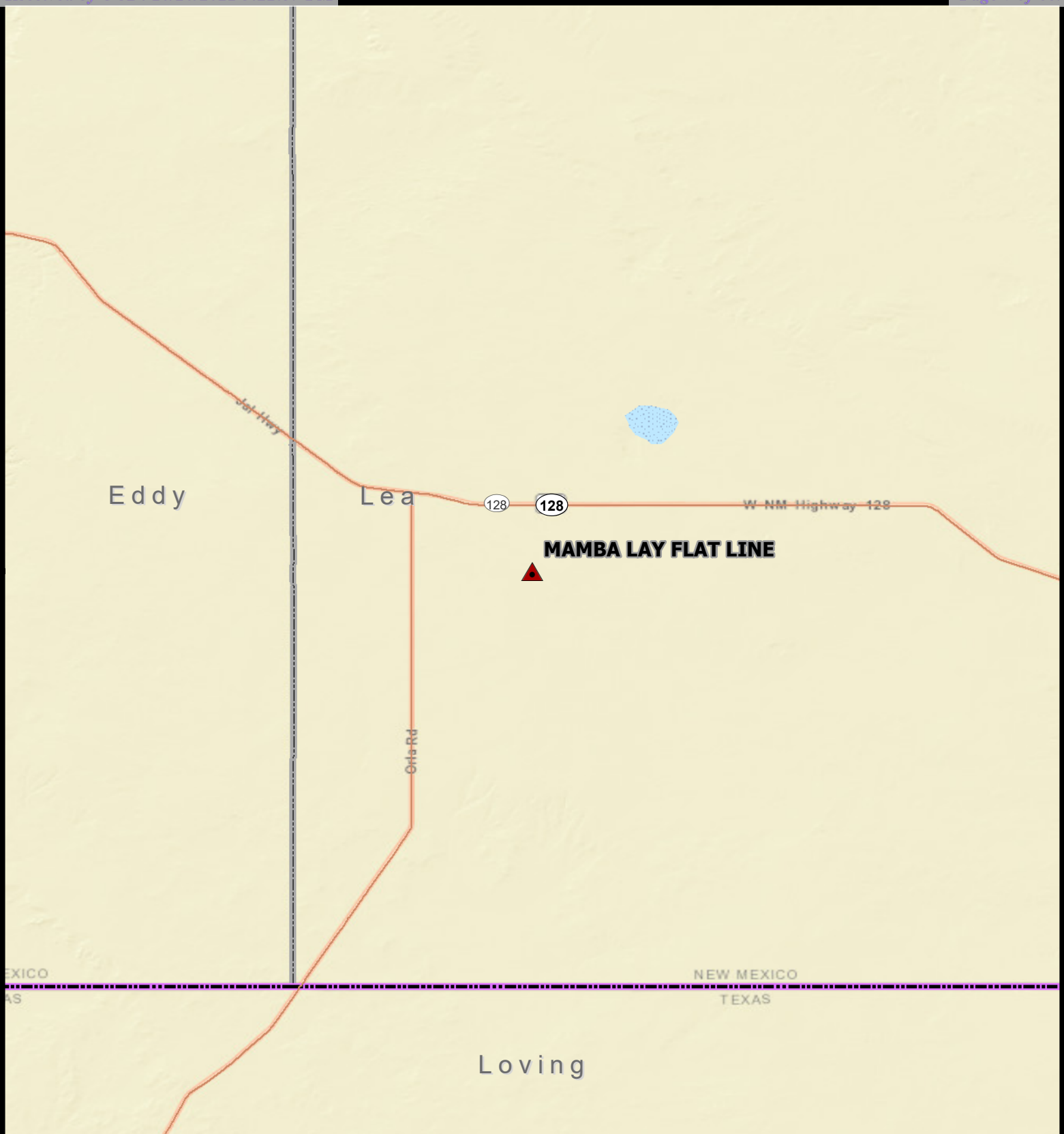
Respectfully submitted,
TETRA TECH

Brittany Long,
Project Manager

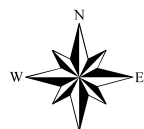
Clair Gonzales,
Senior Project Manager, P.G.

cc: James Kennedy – EOG
Todd Wells - EOG

Figures



SITE LOCATION



0 10,416.5 20,833

Approximate Scale in Feet



STATE LOCATOR MAP

OVERVIEW MAP

MAMBA LAY FLAT LINE

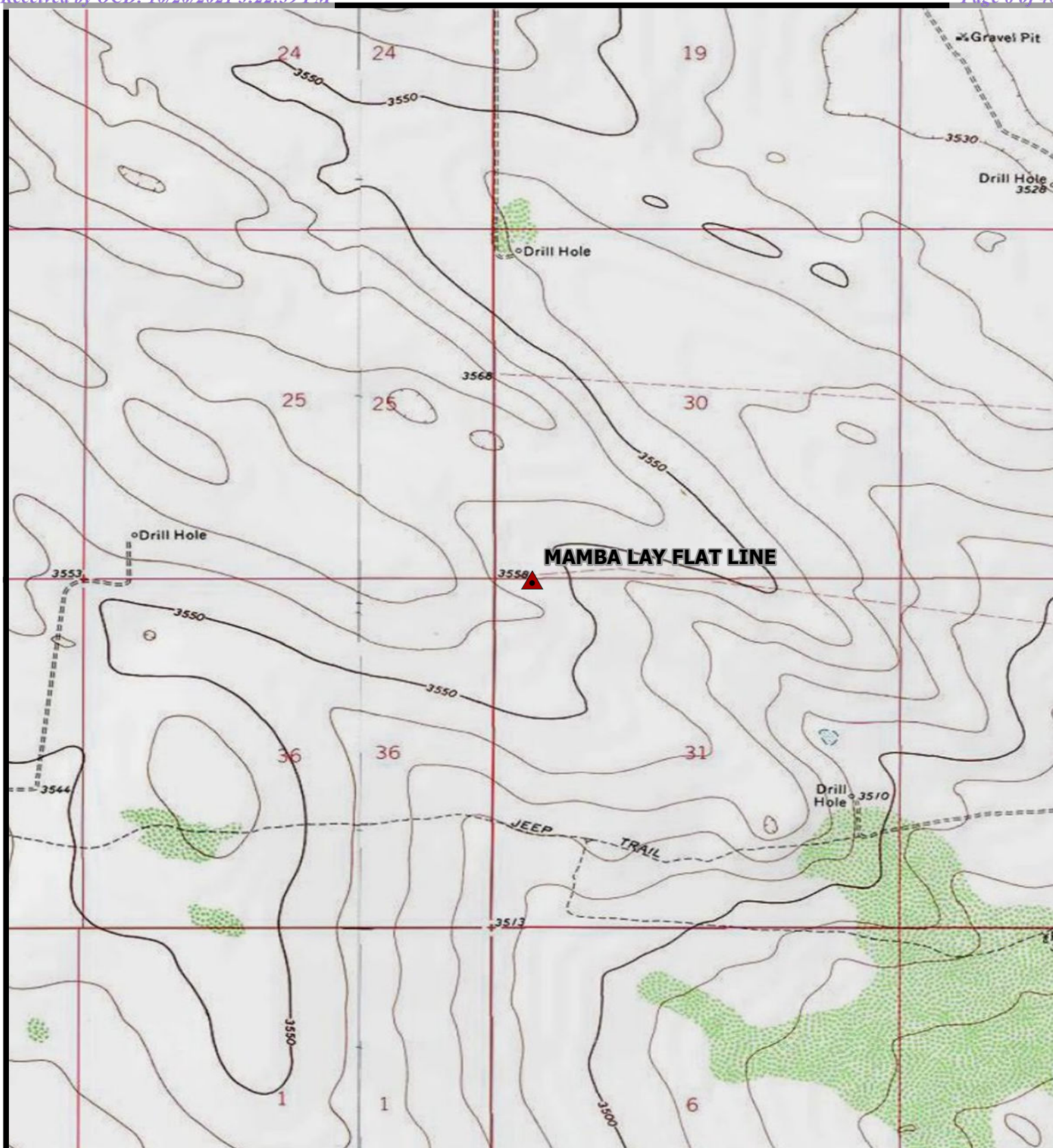
Property Located at coordinates 32.181245°,-103.618252°
LEA COUNTY, NEW MEXICO



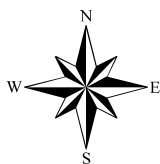
Project #: 212C-MD-01942
Date: 03-16-2020
Drawn By: MLM

FIGURE
1

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



SITE LOCATION



0 1,000 2,000
Approximate Scale in Feet

TOPOGRAPHIC MAP
MAMBA LAY FLAT LINE
Property Located at coordinates 32.181245°,-103.618252°
LEA COUNTY, NEW MEXICO

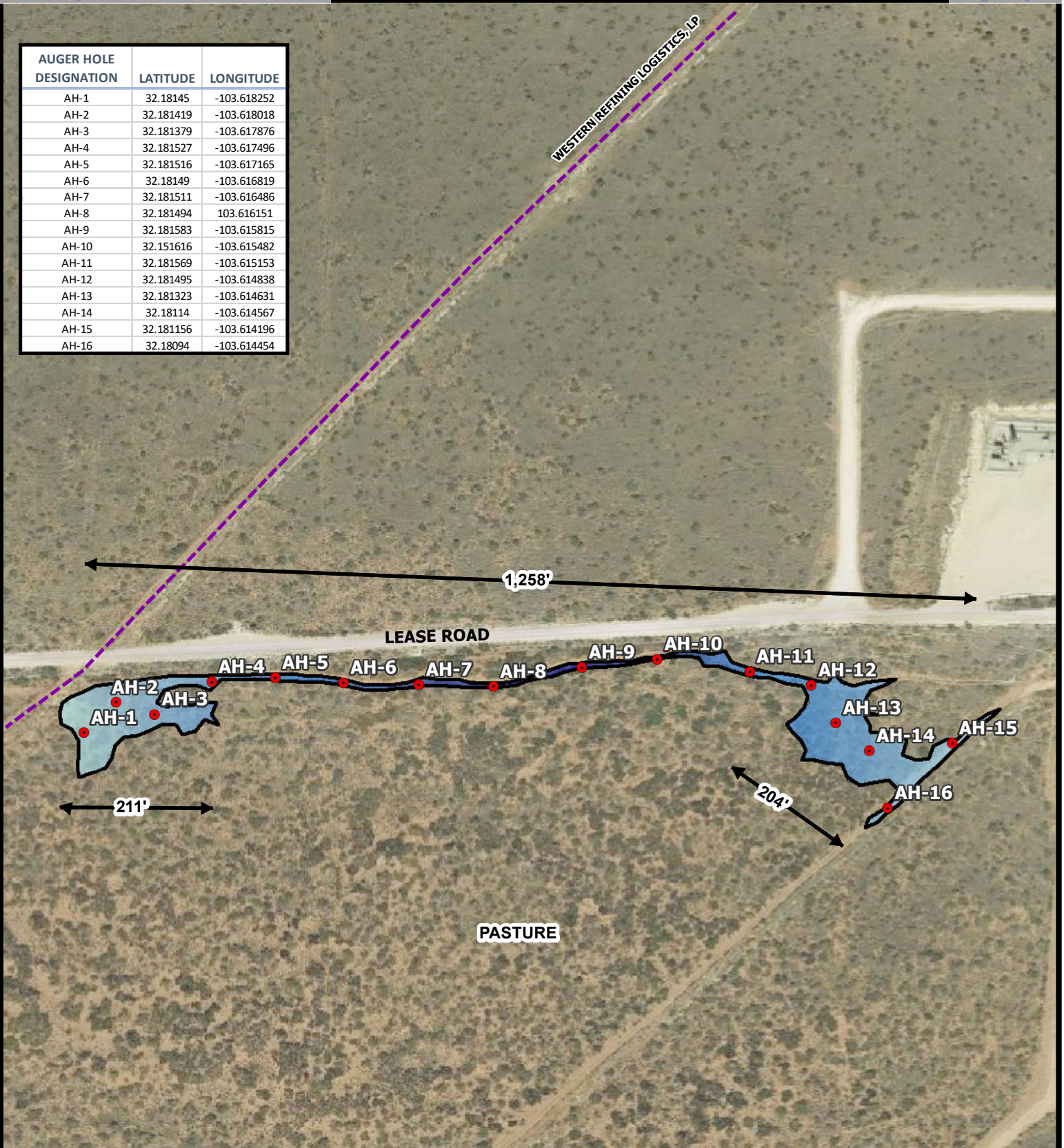


TETRA TECH
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(432) 682-4559

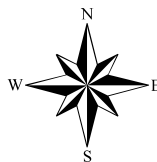
Project #: 212C-MD-01942
Date: 03-16-2020
Drawn By: MLM

FIGURE
2

AUGER HOLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.18145	-103.618252
AH-2	32.181419	-103.618018
AH-3	32.181379	-103.617876
AH-4	32.181527	-103.617496
AH-5	32.181516	-103.617165
AH-6	32.18149	-103.616819
AH-7	32.181511	-103.616486
AH-8	32.181494	-103.616151
AH-9	32.181583	-103.615815
AH-10	32.151616	-103.615482
AH-11	32.181569	-103.615153
AH-12	32.181495	-103.614838
AH-13	32.181323	-103.614631
AH-14	32.18114	-103.614567
AH-15	32.181156	-103.614196
AH-16	32.18094	-103.614454



- AUGERHOLE SAMPLE LOCATIONS
- BURIED PIPELINE (RRC)
- SPILL AREA



0 110 220
Approximate Scale in Feet

SPILL ASSESSMENT MAP

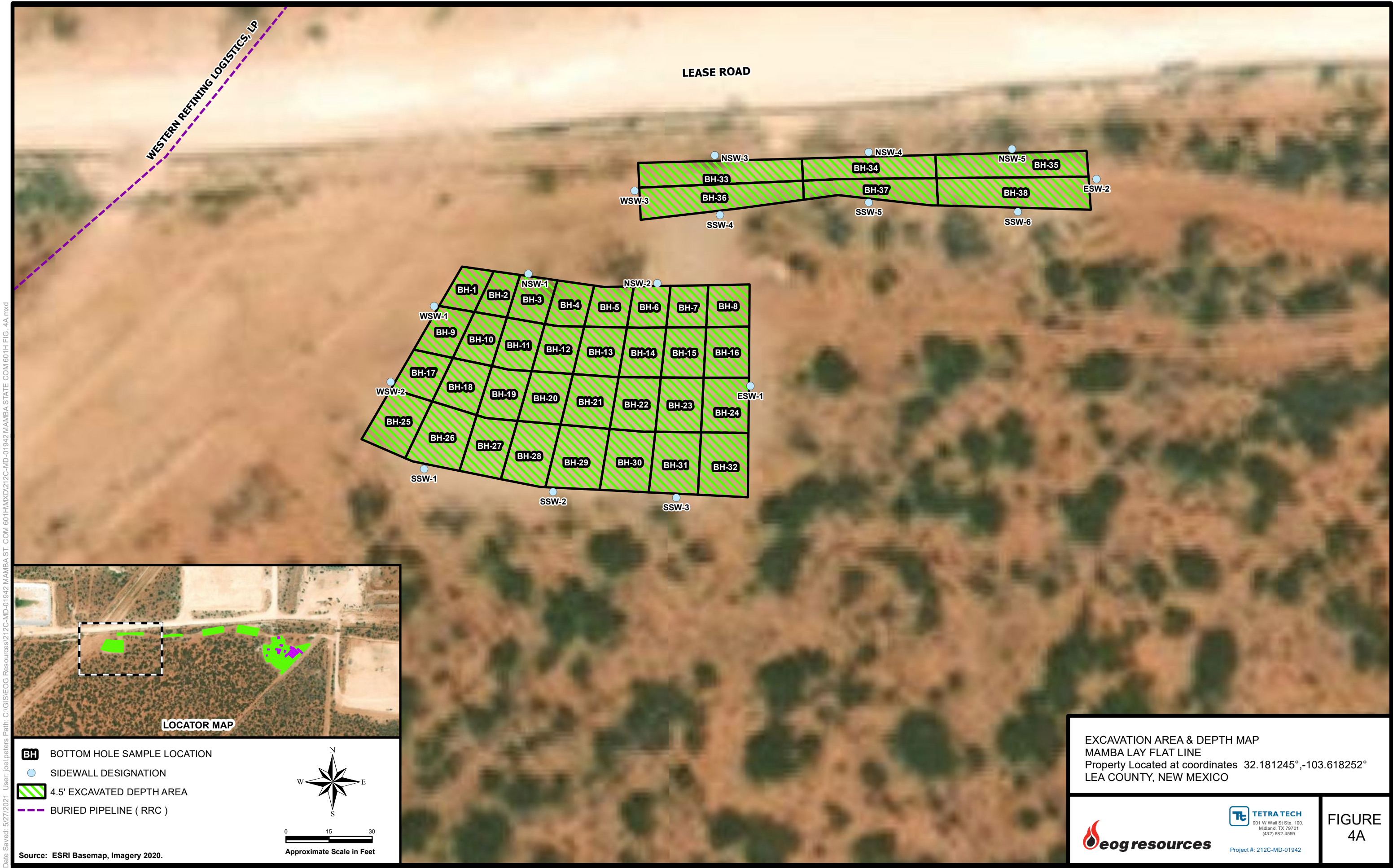
MAMBA LAY FLAT LINE

Property Located at coordinates 32.181245°,-103.618252°
LEA COUNTY, NEW MEXICO

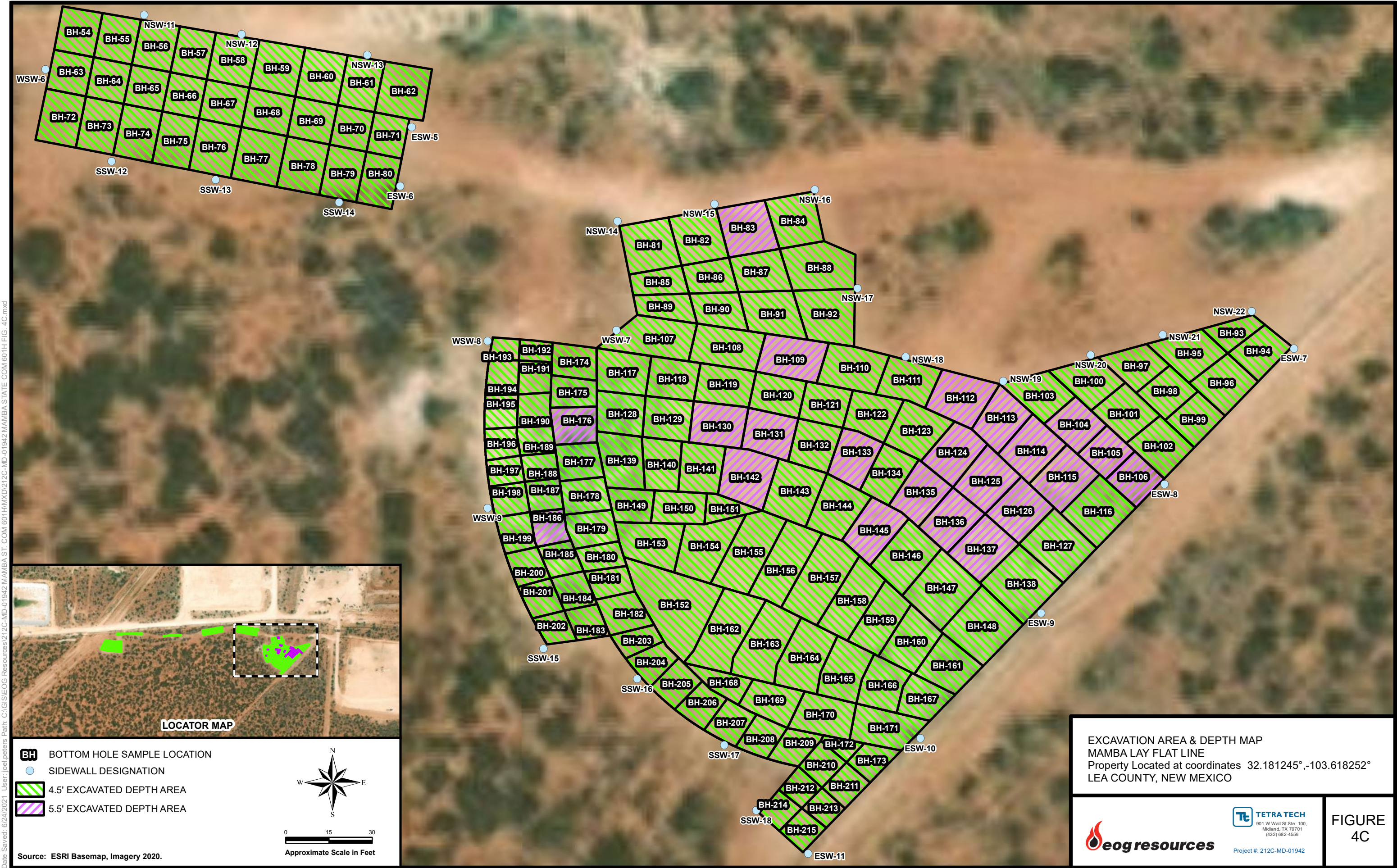


Project #: 212C-MD-01942
Date: 03-16-2020
Drawn By: MLM

FIGURE
3







Tables

Table 1
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	BEB (ft)	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	ORO	Total						
AH-1	9/26/2019	-	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	15.0
	"	-	1-1.5	X		<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	5.29
	"	-	2-2.5	X		-	-	-	-	-	-	-	-	-	16.1
AH-2	9/26/2019	-	0-1	X		<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	202
	"	-	1-1.5	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	585
	"	-	2-2.5	X		-	-	-	-	-	-	-	-	-	90.1
	"	-	3-3.5	X		-	-	-	-	-	-	-	-	-	190
AH-3	9/26/2019	-	0-1		X	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	208
	"	-	1-1.5		X	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	85.9
	"	-	2-2.5		X	-	-	-	-	-	-	-	-	-	853
	"	-	3-3.5		X	-	-	-	-	-	-	-	-	-	411
	"	-	4-4.5		X	-	-	-	-	-	-	-	-	-	2,930
	"	-	5-5.5	X		-	-	-	-	-	-	-	-	-	6,660
AH-4	9/26/2019	-	0-1		X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	1,220
	"	-	1-1.5		X	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	3,080
AH-5	9/26/2019	-	0-1		X	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	816
	"	-	1-1.5		X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	2,720
AH-6	9/26/2019	-	0-1	X		<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	142
AH-7	9/26/2019	-	0-1		X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	1,620
	"	-	1-1.5		X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	1,900
	"	-	2-2.5		X	-	-	-	-	-	-	-	-	-	3,720
AH-8	9/26/2019	-	0-1	X		-	-	-	-	-	-	-	-	-	72.9
	"	-	1-1.5	X		-	-	-	-	-	-	-	-	-	390
AH-9	9/26/2019	-	0-1		X	-	-	-	-	-	-	-	-	-	2,170
AH-10	9/26/2019	-	0-1	X		-	-	-	-	-	-	-	-	-	55.0
	"	-	1-1.5	X		-	-	-	-	-	-	-	-	-	30.7

Table 1
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	BEB (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	ORO	Total						
AH-11	9/26/2019	-	0-1		X	-	-	-	-	-	-	-	-	-	57.1
	"	-	1-1.5		X	-	-	-	-	-	-	-	-	-	138
	"	-	2-2.5		X	-	-	-	-	-	-	-	-	-	149
	"	-	3-3.5		X	-	-	-	-	-	-	-	-	-	3,550
	"	-	4-4.5		X	-	-	-	-	-	-	-	-	-	1,430
AH-12	9/26/2019	-	0-1	X		<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	149
AH-13	9/26/2019	-	0-1		X	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	108
	"	-	1-1.5		X	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	41.9
	"	-	2-2.5		X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	325
	"	-	3-3.5		X	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	3,020
AH-14	9/26/2019	-	0-1		X	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	252
	"	-	1-1.5		X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	108
	"	-	2-2.5		X	-	-	-	-	-	-	-	-	-	123
	"	-	3-3.5		X	-	-	-	-	-	-	-	-	-	2,090
	"	-	4-4.5		X	-	-	-	-	-	-	-	-	-	1,650
AH-15	9/26/2019	-	0-1		X	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	93.3
	"	-	1-1.5		X	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	2,000
	"	-	2-2.5		X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	2,360
AH-16	9/26/2019	-	0-1		X	-	-	-	-	-	-	-	-	-	1,090
	"	-	1-1.5		X	-	-	-	-	-	-	-	-	-	951
	"	-	2-2.5		X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	626
	"	-	3-3.5		X	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	860
	"	-	4-4.5		X	-	-	-	-	-	-	-	-	-	4,330

(-) Not Analyzed

 Excavation Depth

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 1	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,480
Bottom Hole - 2	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,680
Bottom Hole - 3	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
Bottom Hole - 4	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,320
Bottom Hole - 5	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
Bottom Hole - 6	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 7	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
Bottom Hole - 8	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
Bottom Hole - 9	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
Bottom Hole - 10	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,080
Bottom Hole - 11	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,200
Bottom Hole - 12	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 13	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
Bottom Hole - 14	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 15	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 16	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 17	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,930
Bottom Hole - 18	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,600
Bottom Hole - 19	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 20	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,180
Bottom Hole - 21	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,460
Bottom Hole - 22	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 23	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 24	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 25	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
Bottom Hole - 26	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
Bottom Hole - 27	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 28	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 29	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 30	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 31	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 32	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 33	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,360
Bottom Hole - 34	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,700
Bottom Hole - 35	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
Bottom Hole - 36	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
Bottom Hole - 37	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
Bottom Hole - 38	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
Bottom Hole - 39	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	576
Bottom Hole - 40	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,260
Bottom Hole - 41	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,320
Bottom Hole - 42	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,960
Bottom Hole - 43	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,560
Bottom Hole - 44	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 45	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 46	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 47	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,620
Bottom Hole - 48	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,600
Bottom Hole - 49	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,180
Bottom Hole - 50	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 51	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 52	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,880
Bottom Hole - 53	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 54	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
Bottom Hole - 55	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Bottom Hole - 56	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,400
Bottom Hole - 57	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 58	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 59	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 60	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 61	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 62	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
Bottom Hole - 63	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 64	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,380
Bottom Hole - 65	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,560
Bottom Hole - 66	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,700
Bottom Hole - 67	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,760
Bottom Hole - 68	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,000
Bottom Hole - 69	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752

Table 2
EOG
Mamba Lay Flat Line
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Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 70	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 71	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
Bottom Hole - 72	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 73	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,720
Bottom Hole - 74	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	832
Bottom Hole - 75	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
Bottom Hole - 76	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
Bottom Hole - 77	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,640
Bottom Hole - 78	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,300
Bottom Hole - 79	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	736
Bottom Hole - 80	12/27/2019	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	752
Bottom Hole - 81	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,930
Bottom Hole - 82	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96
Bottom Hole - 83	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	21,600
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,410
Bottom Hole - 84	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
Bottom Hole - 85	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,120
Bottom Hole - 86	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
Bottom Hole - 87	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,480

Table 2
EOG
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Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 88	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
Bottom Hole - 89	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	15,700
Bottom Hole - 90	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16,800
Bottom Hole - 91	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,400
Bottom Hole - 92	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,660
Bottom Hole - 93	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 94	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,200
Bottom Hole - 95	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32
Bottom Hole - 96	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,660
Bottom Hole - 97	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 98	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
Bottom Hole - 99	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	14,000
Bottom Hole - 100	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 101	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,650
Bottom Hole - 102	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,000
Bottom Hole - 103	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
Bottom Hole - 104	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	25,200
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
Bottom Hole - 105	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,400
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,800
Bottom Hole - 106	1/3/2020	4.5	X	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	24,400
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,360
Bottom Hole - 107	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,800

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Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 108	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,000
Bottom Hole - 109	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,200
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,860
Bottom Hole - 110	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,520
Bottom Hole - 111	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 112	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,800
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,320
Bottom Hole - 113	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	34,400
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,320
Bottom Hole - 114	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	15,600
Bottom Hole - 115	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	25,600
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,440
Bottom Hole - 116	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,440
Bottom Hole - 117	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	19,600
Bottom Hole - 118	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,960
Bottom Hole - 119	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,100
Bottom Hole - 120	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,800
Bottom Hole - 121	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,800
Bottom Hole - 122	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,200
Bottom Hole - 123	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,200
Bottom Hole - 124	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	28,400
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,720

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 125	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,000
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,360
Bottom Hole - 126	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	33,600
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,200
Bottom Hole - 127	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,720
Bottom Hole - 128	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
Bottom Hole - 129	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	17,200
Bottom Hole - 130	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	29,600
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,040
Bottom Hole - 131	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32,000
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,560
Bottom Hole - 132	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	17,800
Bottom Hole - 133	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	24,000
	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,730
Bottom Hole - 134	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,760
Bottom Hole - 135	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,800
	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,000
Bottom Hole - 136	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,000
	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,060
Bottom Hole - 137	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	26,000
	1/15/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,860
Bottom Hole - 138	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,600
Bottom Hole - 139	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
Bottom Hole - 140	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,740
Bottom Hole - 141	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	17,600

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 142	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	24,400
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000
Bottom Hole - 143	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,800
Bottom Hole - 144	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole - 145	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	24,000
	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,600
Bottom Hole - 146	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400
Bottom Hole - 147	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,200
Bottom Hole - 148	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	912
Bottom Hole - 149	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16,400
Bottom Hole - 150	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840
Bottom Hole - 151	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,420
Bottom Hole - 152	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 153	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 154	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,400
Bottom Hole - 155	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,600
Bottom Hole - 156	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,800
Bottom Hole - 157	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,020
Bottom Hole - 158	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,000
Bottom Hole - 159	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,000
Bottom Hole - 160	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,760
Bottom Hole - 161	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
Bottom Hole - 162	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation 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	ORO	Total						
Bottom Hole - 163	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	912
Bottom Hole - 164	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 165	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
Bottom Hole - 166	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,680
Bottom Hole - 167	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
Bottom Hole - 168	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
Bottom Hole - 169	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
Bottom Hole - 170	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	816
Bottom Hole - 171	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
Bottom Hole - 172	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
Bottom Hole - 173	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
Bottom Hole - 174	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,740
Bottom Hole - 175	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,600
Bottom Hole - 176	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	25,600
	1/14/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,260
Bottom Hole - 177	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,600
Bottom Hole - 178	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
Bottom Hole - 179	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,960
Bottom Hole - 180	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
Bottom Hole - 181	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,000
Bottom Hole - 182	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Bottom Hole - 183	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 184	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0

Table 2
EOG
Mamba Lay Flat Line
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Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 185	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,240
Bottom Hole - 186	1/3/2020	4.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,400
	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,330
Bottom Hole - 187	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,800
Bottom Hole - 188	1/3/2020	4.5	X		<10.0	14.9	<10.0	14.9	<0.050	<0.050	<0.050	<0.150	<0.300	11,800
Bottom Hole - 189	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,500
Bottom Hole - 190	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,000
Bottom Hole - 191	1/3/2020	4.5	X		<10.0	10.0	<10.0	10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840
Bottom Hole - 192	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,560
Bottom Hole - 193	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	768
Bottom Hole - 194	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	19,600
Bottom Hole - 195	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,000
Bottom Hole - 196	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 197	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 198	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 199	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000
Bottom Hole - 200	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 201	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 202	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 203	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 204	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Bottom Hole - 205	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 206	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0

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Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
Bottom Hole - 207	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Bottom Hole - 208	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
Bottom Hole - 209	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
Bottom Hole - 210	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Bottom Hole - 211	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
Bottom Hole - 212	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 213	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Bottom Hole - 214	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Bottom Hole - 215	1/3/2020	4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-1	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
NSW-2	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-3	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
NSW-4	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
NSW-5	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
NSW-6	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-7	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-8	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-9	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
NSW-10	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-11	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-12	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-13	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
NSW-14	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
NSW-15	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
NSW-16	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
NSW-17	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
NSW-18	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-19	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-20	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
NSW-21	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
NSW-22	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
NSW-23 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,080
NSW-24 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,320
NSW-25 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,520
NSW-26 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,260
NSW-27 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,200
NSW-28 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360
NSW-29 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
WSW-1	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-2	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-3	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-4	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-5	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-6	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-7	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
WSW-8	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
WSW-9	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
WSW-10 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,330
WSW-11 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,520
WSW-12 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,680
WSW-13 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,480
WSW-14 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,530
WSW-15 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
WSW-16 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,560
ESW-1	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
ESW-2	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
ESW-3	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
ESW-4	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
ESW-5	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
ESW-6	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
ESW-7	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
ESW-8	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
ESW-9	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
ESW-10	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
ESW-11	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
ESW-12 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,200
ESW-13 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
ESW-14 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
ESW-15 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,840

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
ESW-16 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,880
ESW-17 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,240
ESW-18 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,800
SSW-1	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-2	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SSW-3	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-4	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-5	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-6	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-7	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-8	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-9	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-10	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SSW-11	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SSW-12	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
SSW-13	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SSW-14	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SSW-15	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SSW-16	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SSW-17	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SSW-18	12/30/2019	-	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SSW-19 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,800
SSW-20 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,320

Table 2
EOG
Mamba Lay Flat Line
Lea County, New Mexico

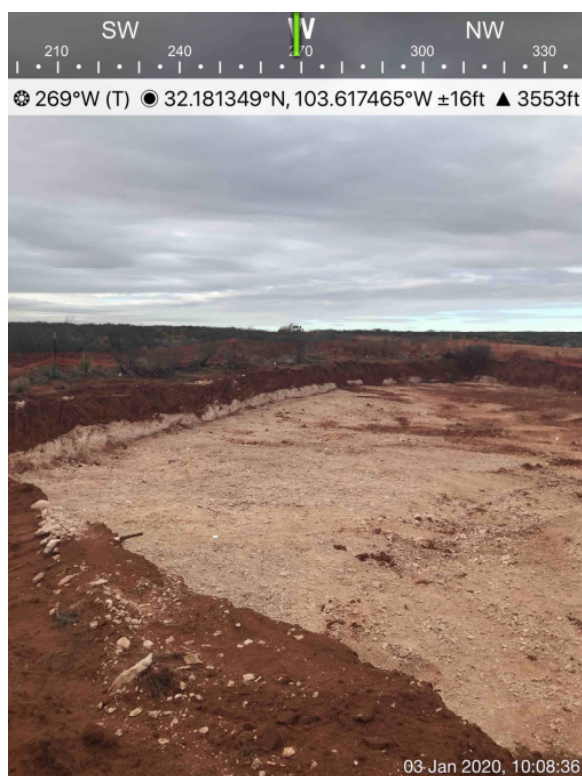
Sample ID	Sample Date	Excavation Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
SSW-21 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,880
SSW-22 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,440
SSW-23 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,640
SSW-24 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,400
SSW-25 (Interior)	1/16/2020	5.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640

(-) Not Analyzed

 Excavation Depth

Photos

EOG Resources
Mamba Lay Flat Line
Lea County, New Mexico

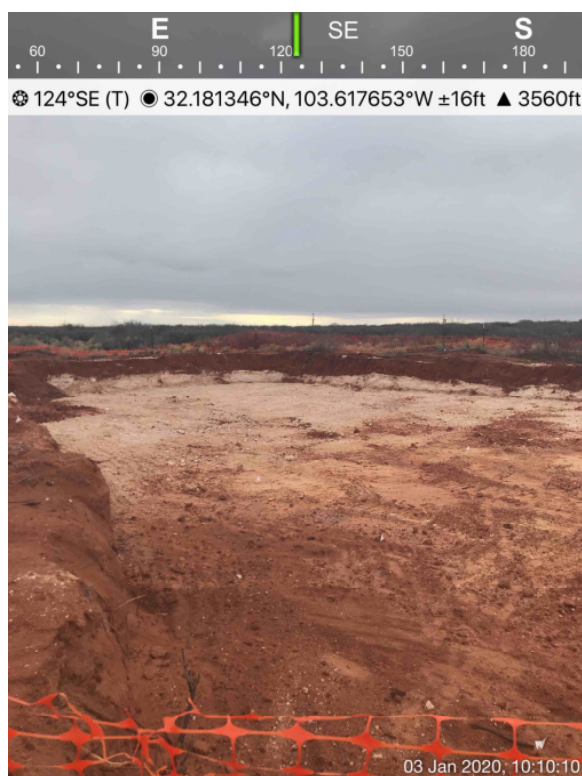


View of Remediation Activities – View West



View of Remediation Activities – View Northeast

EOG Resources
Mamba Lay Flat Line
Lea County, New Mexico



View of Remediation Activities – View Southeast



View of Remediation Activities – View East/Northeast

EOG Resources
Mamba Lay Flat Line
Lea County, New Mexico



View of Remediation Activities – View West



View of Remediation Activities – View East/Northeast

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	NRM2008531986
District RP	
Facility ID	
Application ID	

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)
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.181415° Longitude -103.618184°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mamba Lay Flat Line	Site Type Reuse Water Line
Date Release Discovered 8/14/19	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	30	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 80	Volume Recovered (bbls) 40
	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: While pumping from one pit to another, a hole opened on the lay flat line at a connection between sections. Approximately 80 bbls of reuse water released from the line and 40 bbls was recovered.

Incident ID	NRM2008531986
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No	

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>3-19-20</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>3/25/2020</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.

State of New Mexico
Oil Conservation Division

Page 4

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



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 64	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	
C 04339 POD1	CUB	LE	1	3	3	23	24S	33E	636525	3563309		47			
C 04339 POD10	CUB	LE	4	1	4	23	24S	33E	637688	3563503		49			
C 04339 POD2	CUB	LE	2	3	3	23	24S	33E	636789	3563315					
C 04339 POD3	CUB	LE	2	4	3	23	24S	33E	637273	3563323		38			
C 04339 POD4	CUB	LE	2	4	3	23	24S	33E	637273	3563323		47			
C 04339 POD5	CUB	LE	2	3	4	23	24S	33E	637580	3563328		54			
C 04339 POD6	CUB	LE	3	1	2	23	24S	33E	637340	3564386		60			
C 04339 POD7	CUB	LE	4	4	2	23	24S	33E	636473	3564011		43			
C 04339 POD8	CUB	LE	1	1	3	23	24S	33E	636519	3563681		30			
C 04339 POD9	CUB	LE	3	4	2	23	24S	33E	637731	3563913		45			

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.

Average Depth to Water: **300 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

Record Count: 51

PLSS Search:

Township: 24S

Range: 33E



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 Number: 3
Site Name: 25S
Site Type: Well
Agency: USGS
[Access Data](#)

Site Information



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 320956103353801

Minimum number of levels = 1

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

USGS 320956103353801 25S.33E.05.12122

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°09'59.4", Longitude 103°35'47.2" NAD83

Land-surface elevation 3,473.00 feet above NGVD29

This well is completed in the Sunrise Formation (231SNRS) local aquifer.

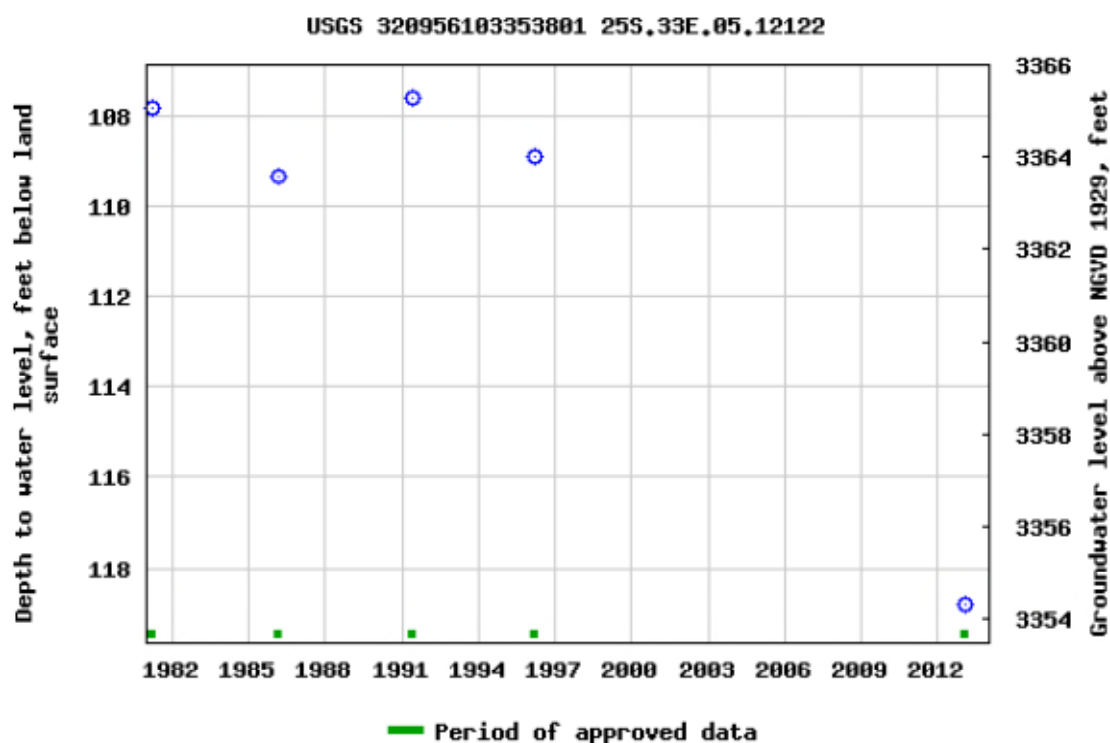
Output formats

[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.

[Download a presentation-quality graph](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

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: 2019-09-25 10:10:52 EDT

1.04 0.95 nadww01

Low Karst


EOG Resources
Mamba Lay Flat Line

Legend

-  High
-  Low
-  Mamba Lay Flat Line
-  Medium

Jal Hwy

128

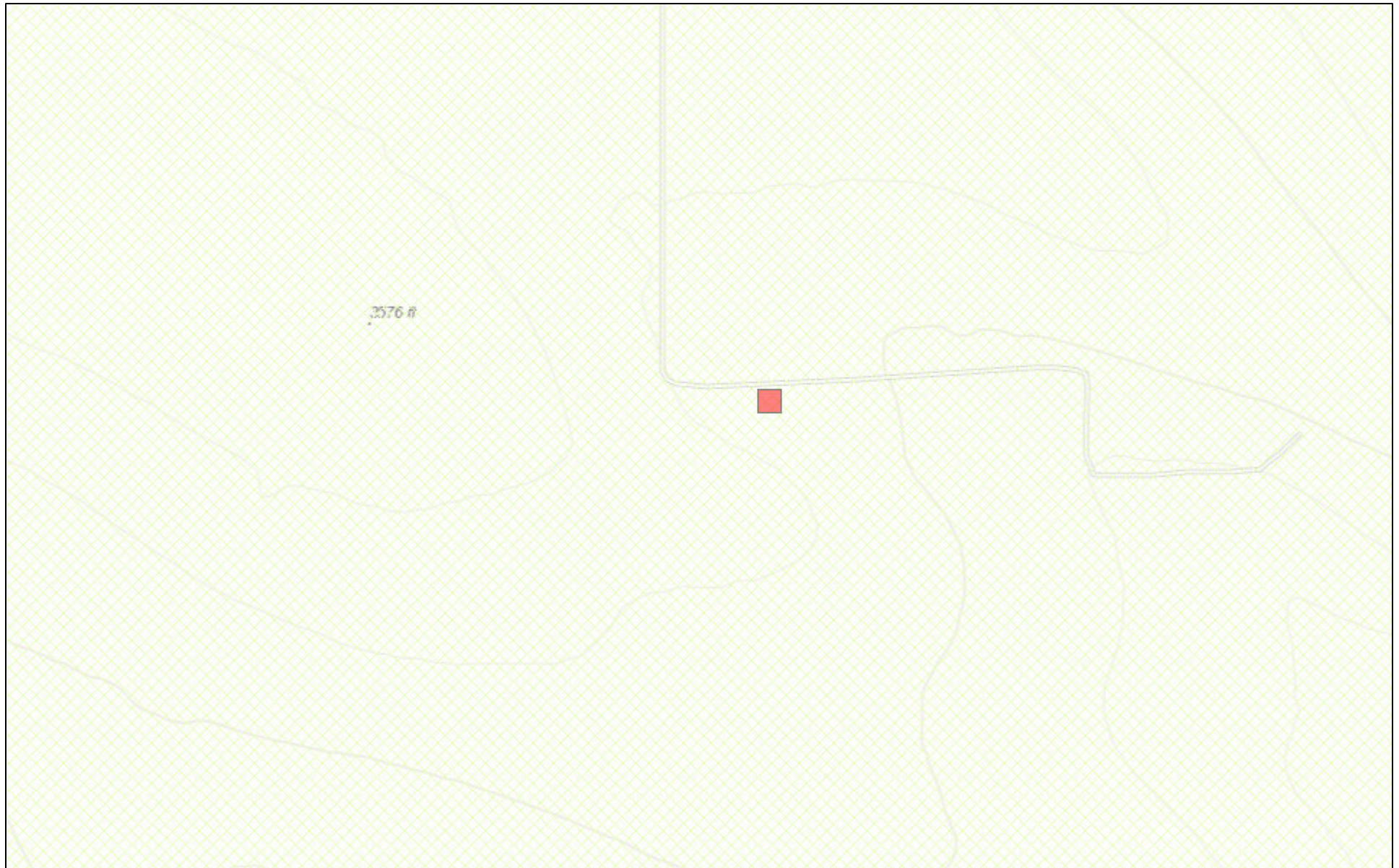
Mamba Lay Flat Line 

Google Earth

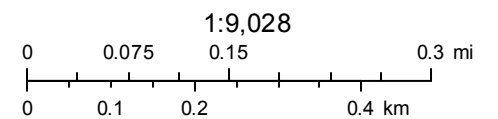


10 mi

New Mexico NFHL Data



June 4, 2020



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

Water Well Data Average Depth to Groundwater (ft) EOG - Mamba

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	295	26	265	25
31	32	160	33	34	35	36	

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 22	11	12
18	17	16	15	14	13
19	20	21	22	23 208	24 16.9
30	29	28	27	26	25
31	32	33 70 93.2	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	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	129	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)

Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

121 Abandoned Waterwell (recently measured)

Appendix C

Analytical Report 638225

**for
Tetra Tech- Midland**

Project Manager: Clair Gonzales

EOG - Mamba 30 St Com 601H

212C-MD-01942

03-OCT-19

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142), North Carolina (681)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Tampa: Florida (E87429), North Carolina (483)



03-OCT-19

Project Manager: **Clair Gonzales**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: XENCO Report No(s): **638225**

EOG - Mamba 30 St Com 601H

Project Address: Lea Co, 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) 638225. 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. 638225 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.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 638225

Tetra Tech- Midland, Midland, TX

EOG - Mamba 30 St Com 601H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH #1 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-001
AH #1 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-002
AH #1 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-003
AH #2 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-004
AH #2 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-005
AH #2 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-006
AH #2 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-007
AH #3 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-008
AH #3 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-009
AH #3 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-010
AH #3 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-011
AH #3 (4-4.5')	S	09-26-19 00:00	4 - 4.5 ft	638225-012
AH #3 (5-5.5')	S	09-26-19 00:00	5 - 5.5 ft	638225-013
AH #4 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-014
AH #4 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-015
AH #5 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-016
AH #5 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-017
AH #6 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-018
AH #7 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-019
AH #7 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-020
AH #7 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-021
AH #8 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-022
AH #8 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-023
AH #9 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-024
AH #10 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-025
AH #10 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-026
AH #11 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-027
AH #11 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-028
AH #11 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-029
AH #11 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-030
AH #11 (4-4.5')	S	09-26-19 00:00	4 - 4.5 ft	638225-031
AH #12 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-032
AH #13 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-033
AH #13 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-034
AH #13 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-035
AH #13 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-036
AH #14 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-037
AH #14 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-038
AH #14 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-039
AH #14 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-040
AH #14 (4-4.5')	S	09-26-19 00:00	4 - 4.5 ft	638225-041
AH #15 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-042
AH #15 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-043

**Sample Cross Reference 638225****Tetra Tech- Midland, Midland, TX**

EOG - Mamba 30 St Com 601H

AH #15 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-044
AH #16 (0-1')	S	09-26-19 00:00	0 - 1 ft	638225-045
AH #16 (1-1.5')	S	09-26-19 00:00	1 - 1.5 ft	638225-046
AH #16 (2-2.5')	S	09-26-19 00:00	2 - 2.5 ft	638225-047
AH #16 (3-3.5')	S	09-26-19 00:00	3 - 3.5 ft	638225-048
AH #16 (4-4.5')	S	09-26-19 00:00	4 - 4.5 ft	638225-049

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: EOG - Mamba 30 St Com 601H**Project ID: 212C-MD-01942
Work Order Number(s): 638225Report Date: 03-OCT-19
Date Received: 09/26/2019**Sample receipt non conformances and comments:**

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3102844 BTEX by EPA 8021B

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

Batch: LBA-3102921 Inorganic Anions by EPA 300/300.1

Lab Sample ID 638333-002 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: 638225-019, -041, -045, -046, -047, -048, -049.

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

Batch: LBA-3102972 BTEX by EPA 8021B

Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 638225-001, -002, -004, -005, -008, -009, -014, -015, -016, -017, -018, -019, -020, -032, -033, -034, -035, -036, -037, -038

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

Lab Sample ID 638225-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 638225-001, -002, -004, -005, -008, -009, -014, -015, -016, -017, -018, -019, -020, -032, -033, -034, -035, -036, -037, -038.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: EOG - Mamba 30 St Com 601H**Project ID: 212C-MD-01942
Work Order Number(s): 638225Report Date: 03-OCT-19
Date Received: 09/26/2019

Batch: LBA-3103023 TPH By SW8015 Mod

Lab Sample ID 638225-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Diesel Range Organics (DRO), Gasoline Range Hydrocarbons (GRO) recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 638225-001, -002, -004, -005, -008, -009, -014, -015, -016, -017, -018, -019, -020, -032, -033, -034, -035, -036, -037, -038.

The Laboratory Control Sample for Gasoline Range Hydrocarbons (GRO), Diesel Range Organics (DRO) is within laboratory Control Limits, therefore the data was accepted.

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 638225-001 S, 638225-001 SD, 638225-004, 638225-005, 638225-008, 638225-009, 638225-014, 638225-016, 638225-017, 638225-018, 638225-019, 638225-020, 638225-032, 638225-033, 638225-034, 638225-035, 638225-002, 638225-001, 638225-036, 638225-038, 638225-037.

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

Samples affected are: 638225-001 S, 638225-001 SD, 638225-005, 638225-008, 638225-009, 638225-038, 638225-018, 638225-020, 638225-032, 638225-033, 638225-034, 638225-037, 638225-036, 638225-002, 638225-001, 638225-017.

Batch: LBA-3103183 TPH By SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 638225-042 SD.

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7687303-1-BLK.



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-001	638225-002	638225-003	638225-004	638225-005	638225-006
	<i>Field Id:</i>	AH #1 (0-1')	AH #1 (1-1.5')	AH #1 (2-2.5')	AH #2 (0-1')	AH #2 (1-1.5')	AH #2 (2-2.5')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	0-1 ft	1-1.5 ft	2-2.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 13:15	Sep-27-19 13:15		Sep-27-19 13:15	Sep-27-19 13:15	
	<i>Analyzed:</i>	Oct-01-19 07:10	Oct-01-19 07:30		Oct-01-19 07:50	Oct-01-19 08:11	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL		mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
Toluene		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
m,p-Xylenes		<0.00401 0.00401	<0.00399 0.00399		<0.00404 0.00404	<0.00398 0.00398	
o-Xylene		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
Total BTEX		<0.00200 0.00200	<0.00200 0.00200		<0.00202 0.00202	<0.00199 0.00199	
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 15:40	Sep-27-19 15:40	Sep-27-19 15:40	Sep-27-19 15:40	Sep-27-19 15:40	Sep-27-19 15:40
	<i>Analyzed:</i>	Sep-30-19 12:51	Sep-30-19 12:58	Sep-30-19 13:06	Sep-30-19 13:14	Sep-30-19 13:21	Sep-30-19 13:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		15.0 5.00	5.29 5.00	16.1 5.04	202 4.99	585 5.00	90.1 4.96
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>	Sep-30-19 17:00	Sep-30-19 17:00		Sep-30-19 17:00	Sep-30-19 17:00	
	<i>Analyzed:</i>	Oct-01-19 23:11	Oct-02-19 00:14		Oct-02-19 00:35	Oct-02-19 00:56	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL		mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<49.8 49.8	<49.9 49.9		<49.9 49.9	<50.0 50.0	
Diesel Range Organics (DRO)		<49.8 49.8	<49.9 49.9		<49.9 49.9	<50.0 50.0	
Motor Oil Range Hydrocarbons (MRO)		<49.8 49.8	<49.9 49.9		<49.9 49.9	<50.0 50.0	
Total TPH		<49.8 49.8	<49.9 49.9		<49.9 49.9	<50.0 50.0	

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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 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-007	638225-008	638225-009	638225-010	638225-011	638225-012
	<i>Field Id:</i>	AH #2 (3-3.5')	AH #3 (0-1')	AH #3 (1-1.5')	AH #3 (2-2.5')	AH #3 (3-3.5')	AH #3 (4-4.5')
	<i>Depth:</i>	3-3.5 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>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>		Sep-27-19 13:15	Sep-27-19 13:15			
	<i>Analyzed:</i>		Oct-01-19 08:31	Oct-01-19 08:51			
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL			
Benzene			<0.00199 0.00199	<0.00201 0.00201			
Toluene			<0.00199 0.00199	<0.00201 0.00201			
Ethylbenzene			<0.00199 0.00199	<0.00201 0.00201			
m,p-Xylenes			<0.00398 0.00398	<0.00402 0.00402			
o-Xylene			<0.00199 0.00199	<0.00201 0.00201			
Total Xylenes			<0.00199 0.00199	<0.00201 0.00201			
Total BTEX			<0.00199 0.00199	<0.00201 0.00201			
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00
	<i>Analyzed:</i>	Sep-27-19 19:15	Sep-27-19 19:22	Sep-27-19 19:28	Sep-27-19 19:35	Sep-27-19 19:54	Sep-27-19 20:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		190 4.99	208 5.03	85.9 4.98	853 5.00	411 5.00	2930 25.3
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>		Sep-30-19 17:00	Sep-30-19 17:00			
	<i>Analyzed:</i>		Oct-02-19 01:17	Oct-02-19 01:38			
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)			<49.8 49.8	<50.0 50.0			
Diesel Range Organics (DRO)			<49.8 49.8	<50.0 50.0			
Motor Oil Range Hydrocarbons (MRO)			<49.8 49.8	<50.0 50.0			
Total TPH			<49.8 49.8	<50.0 50.0			

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942
Contact: Clair Gonzales
Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm
Report Date: 03-OCT-19
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-013	638225-014	638225-015	638225-016	638225-017	638225-018
	<i>Field Id:</i>	AH #3 (5-5.5')	AH #4 (0-1')	AH #4 (1-1.5')	AH #5 (0-1')	AH #5 (1-1.5')	AH #6 (0-1')
	<i>Depth:</i>	5-5.5 ft	0-1 ft	1-1.5 ft	0-1 ft	1-1.5 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>		Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15
	<i>Analyzed:</i>		Oct-01-19 09:11	Oct-01-19 09:31	Oct-01-19 09:51	Oct-01-19 10:11	Oct-01-19 11:30
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
Toluene			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes			<0.00398 0.00398	<0.00397 0.00397	<0.00399 0.00399	<0.00399 0.00399	<0.00397 0.00397
o-Xylene			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
Total BTEX			<0.00199 0.00199	<0.00198 0.00198	<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00
	<i>Analyzed:</i>	Sep-27-19 20:07	Sep-27-19 20:13	Sep-27-19 20:20	Sep-27-19 20:46	Sep-27-19 20:52	Sep-27-19 21:11
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		6660 50.5	1220 5.05	3080 24.8	816 5.02	2720 25.0	142 5.05
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>		Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00
	<i>Analyzed:</i>		Oct-02-19 01:59	Oct-02-19 02:20	Oct-02-19 02:41	Oct-02-19 03:02	Oct-02-19 03:44
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)			<49.9 49.9	<50.0 50.0	<49.8 49.8	<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)			<49.9 49.9	<50.0 50.0	<49.8 49.8	<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)			<49.9 49.9	<50.0 50.0	<49.8 49.8	<49.9 49.9	<50.0 50.0
Total TPH			<49.9 49.9	<50.0 50.0	<49.8 49.8	<49.9 49.9	<50.0 50.0

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-019	638225-020	638225-021	638225-022	638225-023	638225-024
	<i>Field Id:</i>	AH #7 (0-1')	AH #7 (1-1.5')	AH #7 (2-2.5')	AH #8 (0-1')	AH #8 (1-1.5')	AH #9 (0-1')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	2-2.5 ft	0-1 ft	1-1.5 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 13:15	Sep-27-19 13:15				
	<i>Analyzed:</i>	Oct-01-19 11:50	Oct-01-19 12:10				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00198 0.00198				
Toluene		<0.00200 0.00200	<0.00198 0.00198				
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198				
m,p-Xylenes		<0.00399 0.00399	<0.00396 0.00396				
o-Xylene		<0.00200 0.00200	<0.00198 0.00198				
Total Xylenes		<0.00200 0.00200	<0.00198 0.00198				
Total BTEX		<0.00200 0.00200	<0.00198 0.00198				
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-30-19 10:30	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00	Sep-27-19 16:00
	<i>Analyzed:</i>	Sep-30-19 15:53	Sep-27-19 21:24	Sep-27-19 21:31	Sep-27-19 21:37	Sep-27-19 21:44	Sep-27-19 21:50
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1620 25.1	1900 25.0	3720 25.0	72.9 5.01	390 4.95	2170 24.9
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>	Sep-30-19 17:00	Sep-30-19 17:00				
	<i>Analyzed:</i>	Oct-02-19 04:05	Oct-02-19 04:25				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9				
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9				
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9				
Total TPH		<49.9 49.9	<49.9 49.9				

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-025	638225-026	638225-027	638225-028	638225-029	638225-030
	<i>Field Id:</i>	AH #10 (0-1')	AH #10 (1-1.5')	AH #11 (0-1')	AH #11 (1-1.5')	AH #11 (2-2.5')	AH #11 (3-3.5')
	<i>Depth:</i>	0-1 ft	1-1.5 ft	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10
	<i>Analyzed:</i>	Sep-28-19 06:50	Sep-28-19 07:07	Sep-28-19 07:13	Sep-28-19 07:19	Sep-28-19 07:25	Sep-28-19 07:42
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		55.0 4.98	30.7 4.96	57.1 5.00	138 5.02	149 4.96	3550 25.0

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-031	638225-032	638225-033	638225-034	638225-035	638225-036
	<i>Field Id:</i>	AH #11 (4-4.5')	AH #12 (0-1')	AH #13 (0-1')	AH #13 (1-1.5')	AH #13 (2-2.5')	AH #13 (3-3.5')
	<i>Depth:</i>	4-4.5 ft	0-1 ft	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>		Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15	Sep-27-19 13:15
	<i>Analyzed:</i>		Oct-01-19 12:30	Oct-01-19 12:50	Oct-01-19 13:10	Oct-01-19 13:31	Oct-01-19 13:51
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
Toluene			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
Ethylbenzene			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
m,p-Xylenes			<0.00400 0.00400	<0.00403 0.00403	<0.00404 0.00404	<0.00398 0.00398	<0.00402 0.00402
o-Xylene			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
Total Xylenes			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
Total BTEX			<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00199 0.00199	<0.00201 0.00201
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10
	<i>Analyzed:</i>	Sep-28-19 07:48	Sep-28-19 07:54	Sep-28-19 08:00	Sep-28-19 08:05	Sep-28-19 08:11	Sep-28-19 08:29
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1430 4.99	149 5.05	108 5.05	41.9 5.05	325 5.00	3020 25.2
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>		Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00	Sep-30-19 17:00
	<i>Analyzed:</i>		Oct-02-19 04:46	Oct-02-19 05:07	Oct-02-19 05:28	Oct-02-19 05:49	Oct-02-19 06:10
	<i>Units/RL:</i>		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)			<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.9 49.9	<49.9 49.9
Diesel Range Organics (DRO)			<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.9 49.9	<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)			<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.9 49.9	<49.9 49.9
Total TPH			<49.8 49.8	<50.0 50.0	<49.8 49.8	<49.9 49.9	<49.9 49.9

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-037	638225-038	638225-039	638225-040	638225-041	638225-042
	<i>Field Id:</i>	AH #14 (0-1')	AH #14 (1-1.5')	AH #14 (2-2.5')	AH #14 (3-3.5')	AH #14 (4-4.5')	AH #15 (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>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 13:15	Sep-27-19 13:15				Sep-27-19 12:15
	<i>Analyzed:</i>	Oct-01-19 14:11	Oct-01-19 14:31				Sep-30-19 13:41
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
Benzene		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
Toluene		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
m,p-Xylenes		<0.00403 0.00403	<0.00399 0.00399				<0.00402 0.00402
o-Xylene		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
Total BTEX		<0.00202 0.00202	<0.00200 0.00200				<0.00201 0.00201
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-27-19 17:10	Sep-30-19 10:30	Sep-27-19 17:10
	<i>Analyzed:</i>	Sep-28-19 08:34	Sep-28-19 08:52	Sep-28-19 08:58	Sep-28-19 09:04	Sep-30-19 17:57	Sep-28-19 09:15
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		252 5.05	108 4.99	123 5.01	2090 24.8	1650 24.9	93.3 5.02
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>	Sep-30-19 17:00	Sep-30-19 17:00				Oct-01-19 17:00
	<i>Analyzed:</i>	Oct-02-19 06:31	Oct-02-19 06:52				Oct-02-19 11:37
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0				<49.9 49.9
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0				<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0				<49.9 49.9
Total TPH		<50.0 50.0	<50.0 50.0				<49.9 49.9

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	638225-043	638225-044	638225-045	638225-046	638225-047	638225-048
	<i>Field Id:</i>	AH #15 (1-1.5')	AH #15 (2-2.5')	AH #16 (0-1')	AH #16 (1-1.5')	AH #16 (2-2.5')	AH #16 (3-3.5')
	<i>Depth:</i>	1-1.5 ft	2-2.5 ft	0-1 ft	1-1.5 ft	2-2.5 ft	3-3.5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00	Sep-26-19 00:00
BTEX by EPA 8021B SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 12:15	Sep-27-19 12:15			Sep-27-19 12:15	Sep-27-19 12:15
	<i>Analyzed:</i>	Sep-30-19 14:01	Sep-30-19 14:21			Sep-30-19 14:42	Sep-30-19 15:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
Toluene		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00398 0.00398	<0.00397 0.00397			<0.00400 0.00400	<0.00397 0.00397
o-Xylene		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
Total BTEX		<0.00199 0.00199	<0.00198 0.00198			<0.00200 0.00200	<0.00198 0.00198
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	<i>Extracted:</i>	Sep-27-19 17:10	Sep-27-19 17:10	Sep-30-19 10:30	Sep-30-19 10:30	Sep-30-19 10:30	Sep-30-19 10:30
	<i>Analyzed:</i>	Sep-28-19 09:21	Sep-28-19 09:27	Sep-30-19 15:30	Sep-30-19 15:47	Sep-30-19 14:55	Sep-30-19 15:12
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2000 24.9	2360 24.8	1090 4.95	951 5.04	626 5.04	860 4.98
TPH By SW8015 Mod SUB: T104704400-19-19	<i>Extracted:</i>	Oct-01-19 17:00	Oct-01-19 17:00			Oct-01-19 17:00	Oct-01-19 17:00
	<i>Analyzed:</i>	Oct-02-19 12:41	Oct-02-19 13:02			Oct-02-19 13:23	Oct-02-19 13:44
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL			mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<49.9 49.9			<49.9 49.9	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<49.9 49.9			<49.9 49.9	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<49.9 49.9			<49.9 49.9	<50.0 50.0
Total TPH		<50.0 50.0	<49.9 49.9			<49.9 49.9	<50.0 50.0

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Jessica Kramer
Project Assistant



Certificate of Analysis Summary 638225

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Mamba 30 St Com 601H

Project Id: 212C-MD-01942

Contact: Clair Gonzales

Project Location: Lea Co, NM

Date Received in Lab: Thu Sep-26-19 02:20 pm

Report Date: 03-OCT-19

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	638225-049					
	Field Id:	AH #16 (4-4.5')					
	Depth:	4-4.5 ft					
	Matrix:	SOIL					
	Sampled:	Sep-26-19 00:00					
Inorganic Anions by EPA 300/300.1 SUB: T104704400-19-19	Extracted:	Sep-30-19 10:30					
	Analyzed:	Sep-30-19 15:18					
	Units/RL:	mg/kg RL					
Chloride		4330 24.8					

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Jessica Kramer
Project Assistant



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102844

Sample: 638225-042 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/30/19 13:41

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0322	0.0300	107	70-130	

Lab Batch #: 3102844

Sample: 638225-043 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/30/19 14:01

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	70-130	
4-Bromofluorobenzene	0.0325	0.0300	108	70-130	

Lab Batch #: 3102844

Sample: 638225-044 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/30/19 14:21

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0320	0.0300	107	70-130	

Lab Batch #: 3102844

Sample: 638225-047 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/30/19 14:42

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	
4-Bromofluorobenzene	0.0311	0.0300	104	70-130	

Lab Batch #: 3102844

Sample: 638225-048 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/30/19 15:02

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0329	0.0300	110	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102972

Sample: 638225-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 07:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	70-130	
4-Bromofluorobenzene	0.0327	0.0300	109	70-130	

Lab Batch #: 3102972

Sample: 638225-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 07:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	70-130	
4-Bromofluorobenzene	0.0320	0.0300	107	70-130	

Lab Batch #: 3102972

Sample: 638225-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 07:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	70-130	
4-Bromofluorobenzene	0.0340	0.0300	113	70-130	

Lab Batch #: 3102972

Sample: 638225-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 08:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0326	0.0300	109	70-130	

Lab Batch #: 3102972

Sample: 638225-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 08:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0334	0.0300	111	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102972

Sample: 638225-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 08:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	70-130	
4-Bromofluorobenzene	0.0310	0.0300	103	70-130	

Lab Batch #: 3102972

Sample: 638225-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 09:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	70-130	
4-Bromofluorobenzene	0.0319	0.0300	106	70-130	

Lab Batch #: 3102972

Sample: 638225-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 09:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0309	0.0300	103	70-130	

Lab Batch #: 3102972

Sample: 638225-016 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 09:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	
4-Bromofluorobenzene	0.0327	0.0300	109	70-130	

Lab Batch #: 3102972

Sample: 638225-017 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 10:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	70-130	
4-Bromofluorobenzene	0.0340	0.0300	113	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102972

Sample: 638225-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 11:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0293	0.0300	98	70-130	

Lab Batch #: 3102972

Sample: 638225-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 11:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	70-130	
4-Bromofluorobenzene	0.0301	0.0300	100	70-130	

Lab Batch #: 3102972

Sample: 638225-020 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 12:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	70-130	
4-Bromofluorobenzene	0.0301	0.0300	100	70-130	

Lab Batch #: 3102972

Sample: 638225-032 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 12:30

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0307	0.0300	102	70-130	

Lab Batch #: 3102972

Sample: 638225-033 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 12:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	70-130	
4-Bromofluorobenzene	0.0306	0.0300	102	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102972

Sample: 638225-034 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 13:10

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	70-130	
4-Bromofluorobenzene	0.0310	0.0300	103	70-130	

Lab Batch #: 3102972

Sample: 638225-035 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 13:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3102972

Sample: 638225-036 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 13:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	70-130	
4-Bromofluorobenzene	0.0300	0.0300	100	70-130	

Lab Batch #: 3102972

Sample: 638225-037 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 14:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0304	0.0300	101	70-130	

Lab Batch #: 3102972

Sample: 638225-038 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 14:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0307	0.0300	102	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103023

Sample: 638225-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 23:11

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	151	99.6	152	70-135	**
o-Terphenyl	74.0	49.8	149	70-135	**

Lab Batch #: 3103023

Sample: 638225-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 00:14

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	152	99.7	152	70-135	**
o-Terphenyl	71.3	49.9	143	70-135	**

Lab Batch #: 3103023

Sample: 638225-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 00:35

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	140	99.8	140	70-135	**
o-Terphenyl	67.1	49.9	134	70-135	

Lab Batch #: 3103023

Sample: 638225-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 00:56

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	149	99.9	149	70-135	**
o-Terphenyl	71.7	50.0	143	70-135	**

Lab Batch #: 3103023

Sample: 638225-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 01:17

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	163	99.6	164	70-135	**
o-Terphenyl	76.5	49.8	154	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103023

Sample: 638225-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 01:38

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	158	99.9	158	70-135	**
o-Terphenyl	75.1	50.0	150	70-135	**

Lab Batch #: 3103023

Sample: 638225-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 01:59

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	138	99.8	138	70-135	**
o-Terphenyl	66.5	49.9	133	70-135	

Lab Batch #: 3103023

Sample: 638225-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 02:20

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	134	99.9	134	70-135	
o-Terphenyl	64.1	50.0	128	70-135	

Lab Batch #: 3103023

Sample: 638225-016 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 02:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	139	99.6	140	70-135	**
o-Terphenyl	66.7	49.8	134	70-135	

Lab Batch #: 3103023

Sample: 638225-017 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 03:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	138	99.8	138	70-135	**
o-Terphenyl	67.9	49.9	136	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103023

Sample: 638225-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 03:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	150	99.9	150	70-135	**
o-Terphenyl	71.6	50.0	143	70-135	**

Lab Batch #: 3103023

Sample: 638225-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 04:05

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	140	99.8	140	70-135	**
o-Terphenyl	67.3	49.9	135	70-135	

Lab Batch #: 3103023

Sample: 638225-020 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 04:25

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	156	99.7	156	70-135	**
o-Terphenyl	74.4	49.9	149	70-135	**

Lab Batch #: 3103023

Sample: 638225-032 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 04:46

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	160	99.6	161	70-135	**
o-Terphenyl	75.7	49.8	152	70-135	**

Lab Batch #: 3103023

Sample: 638225-033 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 05:07

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	150	99.9	150	70-135	**
o-Terphenyl	71.3	50.0	143	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103023

Sample: 638225-034 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 05:28

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	157	99.6	158	70-135	**
o-Terphenyl	75.9	49.8	152	70-135	**

Lab Batch #: 3103023

Sample: 638225-035 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 05:49

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	139	99.7	139	70-135	**
o-Terphenyl	65.5	49.9	131	70-135	

Lab Batch #: 3103023

Sample: 638225-036 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 06:10

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	147	99.8	147	70-135	**
o-Terphenyl	70.4	49.9	141	70-135	**

Lab Batch #: 3103023

Sample: 638225-037 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 06:31

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	162	99.9	162	70-135	**
o-Terphenyl	76.2	50.0	152	70-135	**

Lab Batch #: 3103023

Sample: 638225-038 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 06:52

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	146	100	146	70-135	**
o-Terphenyl	69.6	50.0	139	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103183

Sample: 638225-042 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 11:37

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	117	99.7	117	70-135	
o-Terphenyl	63.6	49.9	127	70-135	

Lab Batch #: 3103183

Sample: 638225-043 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 12:41

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	114	99.9	114	70-135	
o-Terphenyl	62.4	50.0	125	70-135	

Lab Batch #: 3103183

Sample: 638225-044 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 13:02

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	109	99.7	109	70-135	
o-Terphenyl	59.6	49.9	119	70-135	

Lab Batch #: 3103183

Sample: 638225-047 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 13:23

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	115	99.8	115	70-135	
o-Terphenyl	62.5	49.9	125	70-135	

Lab Batch #: 3103183

Sample: 638225-048 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 13:44

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	110	99.9	110	70-135	
o-Terphenyl	58.7	50.0	117	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102844

Sample: 7687030-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/28/19 08:57

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0284	0.0300	95	70-130	
4-Bromofluorobenzene	0.0288	0.0300	96	70-130	

Lab Batch #: 3102972

Sample: 7687051-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 06:50

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	70-130	
4-Bromofluorobenzene	0.0309	0.0300	103	70-130	

Lab Batch #: 3103023

Sample: 7687171-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 12:09

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	57.2	50.0	114	70-135	

Lab Batch #: 3103183

Sample: 7687303-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/02/19 07:34

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	100	129	70-135	
o-Terphenyl	71.1	50.0	142	70-135	**

Lab Batch #: 3102844

Sample: 7687030-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/28/19 07:17

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0302	0.0300	101	70-130	
4-Bromofluorobenzene	0.0341	0.0300	114	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3102972

Sample: 7687051-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 05:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0345	0.0300	115	70-130	

Lab Batch #: 3103023

Sample: 7687171-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 12:30

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	123	100	123	70-135	
o-Terphenyl	55.8	50.0	112	70-135	

Lab Batch #: 3103183

Sample: 7687303-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/02/19 10:55

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	52.6	50.0	105	70-135	

Lab Batch #: 3102844

Sample: 7687030-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/28/19 07:38

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0302	0.0300	101	70-130	
4-Bromofluorobenzene	0.0364	0.0300	121	70-130	

Lab Batch #: 3102972

Sample: 7687051-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 05:31

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	
4-Bromofluorobenzene	0.0364	0.0300	121	70-130	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103023

Sample: 7687171-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/01/19 12:51

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	126	99.7	126	70-135	
o-Terphenyl	56.7	49.9	114	70-135	

Lab Batch #: 3103183

Sample: 7687303-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 10/02/19 11:16

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	132	100	132	70-135	
o-Terphenyl	63.7	50.0	127	70-135	

Lab Batch #: 3102844

Sample: 638118-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/28/19 07:58

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0296	0.0300	99	70-130	
4-Bromofluorobenzene	0.0327	0.0300	109	70-130	

Lab Batch #: 3102972

Sample: 638225-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 05:51

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0344	0.0300	115	70-130	

Lab Batch #: 3103023

Sample: 638225-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 23:32

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	182	99.8	182	70-135	**
o-Terphenyl	81.3	49.9	163	70-135	**

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Orders : 638225,

Project ID: 212C-MD-01942

Lab Batch #: 3103183

Sample: 638225-042 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 11:58

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	129	99.9	129	70-135	
o-Terphenyl	65.4	50.0	131	70-135	

Lab Batch #: 3102844

Sample: 638118-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/28/19 08:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	70-130	
4-Bromofluorobenzene	0.0373	0.0300	124	70-130	

Lab Batch #: 3102972

Sample: 638225-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 06:11

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	70-130	
4-Bromofluorobenzene	0.0359	0.0300	120	70-130	

Lab Batch #: 3103023

Sample: 638225-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/01/19 23:53

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	187	99.9	187	70-135	**
o-Terphenyl	88.0	50.0	176	70-135	**

Lab Batch #: 3103183

Sample: 638225-042 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 10/02/19 12:19

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	139	99.6	140	70-135	**
o-Terphenyl	63.7	49.8	128	70-135	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Analyst: KTL

Date Prepared: 09/27/2019

Date Analyzed: 09/28/2019

Lab Batch ID: 3102844

Sample: 7687030-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00200	0.100	0.111	111	0.100	0.113	113	2	70-130	35	
Toluene	<0.00200	0.100	0.106	106	0.100	0.109	109	3	70-130	35	
Ethylbenzene	<0.00200	0.100	0.114	114	0.100	0.119	119	4	70-130	35	
m,p-Xylenes	<0.00400	0.200	0.223	112	0.200	0.236	118	6	70-130	35	
o-Xylene	<0.00200	0.100	0.117	117	0.100	0.124	124	6	70-130	35	

Analyst: KTL

Date Prepared: 09/27/2019

Date Analyzed: 10/01/2019

Lab Batch ID: 3102972

Sample: 7687051-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	<0.00200	0.100	0.105	105	0.100	0.106	106	1	70-130	35	
Toluene	<0.00200	0.100	0.101	101	0.100	0.104	104	3	70-130	35	
Ethylbenzene	<0.00200	0.100	0.109	109	0.100	0.113	113	4	70-130	35	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.200	0.226	113	5	70-130	35	
o-Xylene	<0.00200	0.100	0.112	112	0.100	0.119	119	6	70-130	35	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100 * (C)/[B]$ Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Analyst: CHE

Date Prepared: 09/27/2019

Date Analyzed: 09/30/2019

Lab Batch ID: 3102761

Sample: 7687085-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<5.00	250	246	98	250	244	98	1	90-110	20	

Analyst: CHE

Date Prepared: 09/27/2019

Date Analyzed: 09/27/2019

Lab Batch ID: 3102763

Sample: 7687086-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<0.858	250	264	106	250	264	106	0	90-110	20	

Analyst: CHE

Date Prepared: 09/27/2019

Date Analyzed: 09/28/2019

Lab Batch ID: 3102767

Sample: 7687088-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<5.00	250	245	98	250	242	97	1	90-110	20	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100 * (C)/[B]$ Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Analyst: CHE

Date Prepared: 09/30/2019

Date Analyzed: 09/30/2019

Lab Batch ID: 3102921

Sample: 7687137-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Chloride	<5.00	250	244	98	250	244	98	0	90-110	20	

Analyst: DVM

Date Prepared: 09/30/2019

Date Analyzed: 10/01/2019

Lab Batch ID: 3103023

Sample: 7687171-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1130	113	997	1160	116	3	70-135	20	
Diesel Range Organics (DRO)	<15.0	1000	1100	110	997	1120	112	2	70-135	20	

Analyst: DVM

Date Prepared: 10/01/2019

Date Analyzed: 10/02/2019

Lab Batch ID: 3103183

Sample: 7687303-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	941	94	1000	1090	109	15	70-135	20	
Diesel Range Organics (DRO)	<15.0	1000	987	99	1000	1180	118	18	70-135	20	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100 * (C)/[B]$ Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Lab Batch ID: 3102844

QC- Sample ID: 638118-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/28/2019

Date Prepared: 09/27/2019

Analyst: KTL

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00202	0.101	0.00627	6	0.0998	0.0765	77	170	70-130	35	XF
Toluene	<0.00202	0.101	0.00302	3	0.0998	0.0647	65	182	70-130	35	XF
Ethylbenzene	<0.00202	0.101	0.00475	5	0.0998	0.0681	68	174	70-130	35	XF
m,p-Xylenes	<0.00403	0.202	0.00887	4	0.200	0.154	77	178	70-130	35	XF
o-Xylene	<0.00202	0.101	0.0101	10	0.0998	0.0957	96	162	70-130	35	XF

Lab Batch ID: 3102972

QC- Sample ID: 638225-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 10/01/2019

Date Prepared: 09/27/2019

Analyst: KTL

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00199	0.0994	0.0714	72	0.0992	0.0994	100	33	70-130	35	
Toluene	<0.00199	0.0994	0.0479	48	0.0992	0.0898	91	61	70-130	35	XF
Ethylbenzene	<0.00199	0.0994	0.0350	35	0.0992	0.0926	93	90	70-130	35	XF
m,p-Xylenes	<0.00398	0.199	0.0613	31	0.198	0.173	87	95	70-130	35	XF
o-Xylene	<0.00199	0.0994	0.0384	39	0.0992	0.0955	96	85	70-130	35	XF

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
 Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
 N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.



Form 3 - MS / MSD Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Lab Batch ID: 3102761

QC- Sample ID: 637366-012 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/30/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	619	126	748	102	126	755	108	1	90-110	20	

Lab Batch ID: 3102761

QC- Sample ID: 638118-011 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/30/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	2.59	250	259	103	250	257	102	1	90-110	20	

Lab Batch ID: 3102763

QC- Sample ID: 638267-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/27/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	10.1	248	251	97	248	251	97	0	90-110	20	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
 Relative Percent Difference $RPD = 200 \times |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.



Form 3 - MS / MSD Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Lab Batch ID: 3102763

QC- Sample ID: 638267-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/27/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	134	250	393	104	250	394	104	0	90-110	20	

Lab Batch ID: 3102767

QC- Sample ID: 638225-025 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/28/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	55.0	249	301	99	249	300	98	0	90-110	20	

Lab Batch ID: 3102767

QC- Sample ID: 638225-035 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/28/2019

Date Prepared: 09/27/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	325	250	553	91	250	555	92	0	90-110	20	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
 Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.



Form 3 - MS / MSD Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Lab Batch ID: 3102921

QC- Sample ID: 638225-047 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/30/2019

Date Prepared: 09/30/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	626	252	848	88	252	844	87	0	90-110	20	X

Lab Batch ID: 3102921

QC- Sample ID: 638333-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/30/2019

Date Prepared: 09/30/2019

Analyst: CHE

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	51.2	250	302	100	250	301	100	0	90-110	20	

Lab Batch ID: 3103023

QC- Sample ID: 638225-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 10/01/2019

Date Prepared: 09/30/2019

Analyst: DVM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	1640	164	999	1670	167	2	70-135	20	X
Diesel Range Organics (DRO)	<15.0	998	1660	166	999	1710	171	3	70-135	20	X

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
 Relative Percent Difference $RPD = 200 \times |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable

N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.



Form 3 - MS / MSD Recoveries

Project Name: EOG - Mamba 30 St Com 601H

Work Order #: 638225

Project ID: 212C-MD-01942

Lab Batch ID: 3103183

QC- Sample ID: 638225-042 S

Batch #: 1 Matrix: Soil

Date Analyzed: 10/02/2019

Date Prepared: 10/01/2019

Analyst: DVM

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	1160	116	996	1120	112	4	70-135	20	
Diesel Range Organics (DRO)	<15.0	999	1240	124	996	1190	119	4	70-135	20	

Matrix Spike Percent Recovery $[D] = 100 * (C - A) / B$
 Relative Percent Difference $RPD = 200 * |(C - F) / (C + F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 * (F - A) / E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
 N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 1 of 5

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba 30 St Com 601H			
Project Location: Lea Co, NM		Project #: 212C-MD-01942	
Invoice to: EOG - James Kennedy			
Receiving Laboratory: Xeno		Sampler Signature: Conner Moehring	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS:	
		DATE	TIME		WATER	SOIL	HCL	HNO ₃	ICE					None
AH#1 (0-1')		9/26/19		X										
V (1-1.5')				X										
V (2-2.5')				X										
AH#2 (0-1')				X										
V (1-1.5')				X										
V (2-2.5')				X										
V (3-3.5')				X										
AH#3 (0-1')				X										
V (2-1.5')				X										
V (2-2.5')				X										

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:
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	Sample Temperature 2.2

Fingerprinted by: <i>[Signature]</i> Date: 9/26/19 Time: 14:20 Received by: <i>[Signature]</i> Date: 9/26/19 Time: 14:20 Fingerprinted by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____	ORIGINAL COPY
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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 582-4559
 Fax (432) 582-3946

1038225

Page 2 of 5

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba 30 St Com 601H			
Project Location: Lea Co, NM		Project #: 212C-MD-01942	
Invoice to: EOG - James Kennedy			
Receiving Laboratory: Xeno		Sampler Signature: Conner Moehring	
Comments:			

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	HCL	HNO ₃	ICE	None				
													YEAR: 2019
AH#3 (3-3-5)		9/26/19		X				X			1	2	BTEX 8021B BTEX 8260B
1 (4-4-5)				X				X			1	2	TPH TX1005 (Ext to C35)
11 (5-5-5)				X				X			1	2	TPH 8015M (GRO - DRO - ORO - MRO)
AH#4 (0-1)				X				X			1	2	PAH 8270C
1 (1-1-5)				X				X			1	2	Total Metals Ag As Ba Cd Cr Pb Se Hg
AH#5 (0-1)				X				X			1	2	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
11 (1-1-5)				X				X			1	2	TCLP Volatiles
AH#6 (0-1)				X				X			1	2	TCLP Semi Volatiles
AH#7 (0-1)				X				X			1	2	RCI
11 (1-1-5)				X				X			1	2	GC/MS Vol. 8260B / 624
				X				X			1	2	GC/MS Semi. Vol. 8270C/625
				X				X			1	2	PCB's 8082 / 608
				X				X			1	2	NORM
				X				X			1	2	PLM (Asbestos)
				X				X			1	2	Chloride
				X				X			1	2	Chloride Sulfate TDS
				X				X			1	2	General Water Chemistry (see attached list)
				X				X			1	2	Anion/Cation Balance
				X				X			1	2	Hold

Inquired by: <i>James Kennedy</i> Date: 9/26/19 Time: 14:20 Received by: <i>Clair Gonzales</i> Date: 9/26/19 Time: 14:20	Inquired by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____
---	--

LAB USE ONLY Sample Temperature 2.2	REMARKS: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Push Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report
---	--

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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

Page 3 of 5

U38225

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba 30 St Com 601H			
Project Location: Lea Co, NM		Project #: 212C-MD-01942	
Invoice to: EOG - James Kennedy			
Receiving Laboratory: Xenco		Sampler Signature: Conner Moehring	
Comments:			

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	HCL	HNO ₃	ICE	None				
													YEAR: 2019
AH # 7 (2-2.5)		9/26/19		X				X			1	2	BTEX 8021B BTEX 8260B
AH # 8 (0-1)				X				X			1	2	TPH TX1005 (Ext to C35)
" (1-1.5)				X				X			1	2	TPH 8015M (GRO - DRO - ORO - MRO)
AH # 9 (0-1)				X				X			1	2	PAH 8270C
AH # 10 (0-1)				X				X			1	2	Total Metals Ag As Ba Cd Cr Pb Se Hg
" (1-1.5)				X				X			1	2	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
AH # 11 (0-1)				X				X			1	2	TCLP Volatiles
" (1-1.5)				X				X			1	2	TCLP Semi Volatiles
" (2-2.5)				X				X			1	2	RCI
" (3-3.5)				X				X			1	2	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

Inquired by: <i>James Kennedy</i>	Date: 9/27/19	Time: 1420	Received by: <i>Clair Gonzales</i>	Date: 9/26/19	Time: 14:20
Inquired by:	Date:	Time:	Received by:	Date:	Time:
Inquired by:	Date:	Time:	Received by:	Date:	Time:

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

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Analysis Request of Custody Record



Tetra Tech, Inc.

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

U38225

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba 30 St Com 601H		Project #: 212C-MD-01942	
Project Location: Lea Co, NM		Project #: 212C-MD-01942	
Invoice to: EOG - James Kennedy		Sampler Signature: Conner Moehring	
Receiving Laboratory: Xenoco		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)		
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE	None
AH#11 (4-4.5)		9/27/19		X				X			
AH#12 (0-1')				X				X			
AH#13 (0-1')				X				X			
(1-1.5')				X				X			
(2-2.5')				X				X			
(3-3.5')				X				X			
AH#14 (0-1')				X				X			
(1-1.5')				X				X			
(2-2.5')				X				X			
(3-3.5')				X				X			

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

ORIGINAL COPY



Analysis Request of Chain of Custody Record

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

Tetra Tech, Inc.

Page 5 of 5

Client Name: EOG

Site Manager: Clair Gonzales

Project Name: Mamba 30 St Com 601H

Project Location: Lea Co, NM

Project #: 212C-MD-01942

Invoice to: EOG - James Kennedy

Receiving Laboratory: XEROX

Sampler Signature: Conner Moehring

Comments:

LAB # LAB USE ONLY

SAMPLE IDENTIFICATION

DATE

TIME

YEAR: 2019

DATE

TIME

WATER

SOIL

HCL

HNO₃

ICE

None

CONTAINERS

FILTERED (Y/N)

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Special Report Limits or TRRP Report

BTX 8021B

BTX 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

Special Report Limits or TRRP Report

LAB USE ONLY

REMARKS:

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Special Report Limits or TRRP Report

LAB USE ONLY

REMARKS:

STANDARD

ORIGINAL COPY

IOS Number **48867**

Date/Time: 09/26/19 16:10

Created by: Elizabeth McClellan

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 7763051514172

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
638225-001	S	AH #1 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-001	S	AH #1 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-001	S	AH #1 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-002	S	AH #1 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-002	S	AH #1 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-002	S	AH #1 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-003	S	AH #1 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-004	S	AH #2 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-004	S	AH #2 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-004	S	AH #2 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-005	S	AH #2 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-005	S	AH #2 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-005	S	AH #2 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-006	S	AH #2 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-007	S	AH #2 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-008	S	AH #3 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-008	S	AH #3 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-008	S	AH #3 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-009	S	AH #3 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-009	S	AH #3 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-009	S	AH #3 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-010	S	AH #3 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-011	S	AH #3 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-012	S	AH #3 (4-4.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-013	S	AH #3 (5-5.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	

IOS Number **48867**

Date/Time: 09/26/19 16:10

Created by: Elizabeth McClellan

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 7763051514172

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
638225-014	S	AH #4 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-014	S	AH #4 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-014	S	AH #4 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-015	S	AH #4 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-015	S	AH #4 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-015	S	AH #4 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-016	S	AH #5 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-016	S	AH #5 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-016	S	AH #5 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-017	S	AH #5 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-017	S	AH #5 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-017	S	AH #5 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-018	S	AH #6 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-018	S	AH #6 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-018	S	AH #6 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-019	S	AH #7 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-019	S	AH #7 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-019	S	AH #7 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-020	S	AH #7 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35 ↓	
638225-020	S	AH #7 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-020	S	AH #7 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-021	S	AH #7 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-022	S	AH #8 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-023	S	AH #8 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-024	S	AH #9 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	

Inter Office Shipment or Sample Comments:

IOS Number **48867**

Date/Time: 09/26/19 16:10

Created by: Elizabeth McClellan

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 7763051514172

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
638225-025	S	AH #10 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-026	S	AH #10 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-027	S	AH #11 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-028	S	AH #11 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-029	S	AH #11 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-030	S	AH #11 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-031	S	AH #11 (4-4.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-032	S	AH #12 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-032	S	AH #12 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-032	S	AH #12 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-033	S	AH #13 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-033	S	AH #13 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-033	S	AH #13 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-034	S	AH #13 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-034	S	AH #13 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-034	S	AH #13 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-035	S	AH #13 (2-2.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-035	S	AH #13 (2-2.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-035	S	AH #13 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-036	S	AH #13 (3-3.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-036	S	AH #13 (3-3.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-036	S	AH #13 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-037	S	AH #14 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-037	S	AH #14 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-037	S	AH #14 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	

Inter Office Shipment or Sample Comments:

Relinquished By:

Received By:

Released to Imaging: 11/29/2021 9:00:13 AM



Inter-Office Shipment

Page 4 of 5

IOS Number **48867**

Date/Time: 09/26/19 16:10

Created by: Elizabeth McClellan

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 7763051514172

E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
638225-038	S	AH #14 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-038	S	AH #14 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-038	S	AH #14 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-039	S	AH #14 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-040	S	AH #14 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-041	S	AH #14 (4-4.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-042	S	AH #15 (0-1')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-042	S	AH #15 (0-1')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-042	S	AH #15 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-043	S	AH #15 (1-1.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-043	S	AH #15 (1-1.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-043	S	AH #15 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-044	S	AH #15 (2-2.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-044	S	AH #15 (2-2.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-044	S	AH #15 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-045	S	AH #16 (0-1')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-046	S	AH #16 (1-1.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-047	S	AH #16 (2-2.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-047	S	AH #16 (2-2.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-047	S	AH #16 (2-2.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-048	S	AH #16 (3-3.5')	09/26/19 00:00	SW8015MOD_NM	TPH By SW8015 Mod	10/02/19	10/10/19	JKR	PHCC10C28 PHCC28C35	
638225-048	S	AH #16 (3-3.5')	09/26/19 00:00	SW8021B	BTEX by EPA 8021B	10/02/19	10/10/19	JKR	BR4FBZ BZ BZME EBZ X	
638225-048	S	AH #16 (3-3.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	
638225-049	S	AH #16 (4-4.5')	09/26/19 00:00	E300	Inorganic Anions by EPA 300/300.1	10/02/19	10/24/19	JKR	CL	

Inter Office Shipment or Sample Comments:

Date Relinquished:

Date Received:



Inter-Office Shipment

Page 5 of 5

IOS Number 48867

Date/Time: 09/26/19 16:10

Created by: Elizabeth McClellan

Please send report to: Jessica Kramer

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 7763051514172

E-Mail: jessica.kramer@xenco.com

Inter Office Shipment or Sample Comments:

Elizabeth McClellan

Cooler Temperature: Brianna Teel

09/26/2019

09/27/2019 11:27

0.3



Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 48867

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sent By: Elizabeth McClellan

Date Sent: 09/26/2019 04:10 PM

Received By: Brianna Teel

Date Received: 09/27/2019 11:27 AM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.3
#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: 09/27/2019



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 09/26/2019 02:20:00 PM

Work Order #: 638225

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist**Comments**

#1 *Temperature of cooler(s)?	2.2	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6 *Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	Yes	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	Yes	Subbed To Midland
#18 Water VOC samples have zero headspace?	N/A	

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Elizabeth McClellan

Date: 09/26/2019

Checklist reviewed by:

Jessica Kramer

Date: 09/27/2019



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

January 07, 2020

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MAMBA ST COM 601H

Enclosed are the results of analyses for samples received by the laboratory on 01/06/20 10:00.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 1 COMP 4.5' (H000025-01)

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	01/06/2020	ND	1.86	92.9	2.00	0.560	QR-03
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	QR-03
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTEX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	3480	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 76.8 % 41-142

Surrogate: 1-Chlorooctadecane 80.6 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 2 COMP 4.5' (H000025-02)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	2680	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 80.4 % 41-142

Surrogate: 1-Chlorooctadecane 85.1 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 3 COMP 4.5' (H000025-03)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	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	3840	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 80.4 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 4 COMP 4.5' (H000025-04)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	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	8320	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 74.5 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 5 COMP 4.5' (H000025-05)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	128	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 72.9 % 41-142

Surrogate: 1-Chlorooctadecane 74.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 6 COMP 4.5' (H000025-06)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 71.8 % 41-142

Surrogate: 1-Chlorooctadecane 72.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 7 COMP 4.5' (H000025-07)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	384	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 71.7 % 41-142

Surrogate: 1-Chlorooctadecane 74.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 8 COMP 4.5' (H000025-08)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	400	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 70.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 9 COMP 4.5' (H000025-09)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	4080	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 10 COMP 4.5' (H000025-10)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	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	6080	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 82.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 11 COMP 4.5' (H000025-11)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	10200	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 67.4 % 41-142

Surrogate: 1-Chlorooctadecane 69.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 12 COMP 4.5' (H000025-12)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	352	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 75.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 13 COMP 4.5' (H000025-13)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	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	400	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 69.5 % 41-142

Surrogate: 1-Chlorooctadecane 70.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 14 COMP 4.5' (H000025-14)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	64.0	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 15 COMP 4.5' (H000025-15)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	144	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 80.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 16 COMP 4.5' (H000025-16)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 72.9 % 41-142

Surrogate: 1-Chlorooctadecane 73.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 17 COMP 4.5' (H000025-17)

BTX 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	01/06/2020	ND	1.86	92.9	2.00	0.560	
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	8930	16.0	01/06/2020	ND	416	104	400	3.77	QM-07	

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	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 74.9 % 41-142

Surrogate: 1-Chlorooctadecane 77.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 18 COMP 4.5' (H000025-18)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	9600	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 72.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 19 COMP 4.5' (H000025-19)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	256	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 63.2 % 41-142

Surrogate: 1-Chlorooctadecane 66.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 20 COMP 4.5' (H000025-20)

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	01/06/2020	ND	1.86	92.9	2.00	0.560		
Toluene*	<0.050	0.050	01/06/2020	ND	1.88	94.0	2.00	0.144		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.93	96.6	2.00	0.556		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.66	94.3	6.00	0.431		
Total BTEx	<0.300	0.300	01/06/2020	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	2180	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	198	99.1	200	3.38	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	216	108	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 78.4 % 41-142

Surrogate: 1-Chlorooctadecane 80.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 21 COMP 4.5' (H000025-21)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	1460	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 76.6 % 41-142

Surrogate: 1-Chlorooctadecane 83.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 22 COMP 4.5' (H000025-22)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 72.6 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 23 COMP 4.5' (H000025-23)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	16.0	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 71.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 24 COMP 4.5' (H000025-24)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	16.0	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 78.1 % 41-142

Surrogate: 1-Chlorooctadecane 85.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 25 COMP 4.5' (H000025-25)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	4560	16.0	01/06/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 26 COMP 4.5' (H000025-26)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	224	16.0	01/06/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 77.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 27 COMP 4.5' (H000025-27)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	32.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 87.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 28 COMP 4.5' (H000025-28)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 82.3 % 41-142

Surrogate: 1-Chlorooctadecane 89.3 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 29 COMP 4.5' (H000025-29)

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	01/07/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/07/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 78.0 % 41-142

Surrogate: 1-Chlorooctadecane 84.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 30 COMP 4.5' (H000025-30)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 67.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 211 COMP 4.5' (H000025-31)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	240	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 82.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 212 COMP 4.5' (H000025-32)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 213 COMP 4.5' (H000025-33)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	352	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 214 COMP 4.5' (H000025-34)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 215 COMP 4.5' (H000025-35)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	16.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 95.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NSW - 1 COMP 4.5' (H000025-36)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NSW - 2 COMP 4.5' (H000025-37)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	16.0	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 3 COMP 4.5' (H000025-38)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	32.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 77.6 % 41-142

Surrogate: 1-Chlorooctadecane 85.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 4 COMP 4.5' (H000025-39)

BTX 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	01/06/2020	ND	1.77	88.5	2.00	1.61	
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	32.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 73.0 % 41-142

Surrogate: 1-Chlorooctadecane 81.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NSW - 5 COMP 4.5' (H000025-40)

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	01/06/2020	ND	1.77	88.5	2.00	1.61		
Toluene*	<0.050	0.050	01/06/2020	ND	1.92	96.0	2.00	3.47		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.95	97.3	2.00	4.37		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.86	97.6	6.00	1.97		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	183	91.4	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	213	106	200	6.36	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 80.1 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 6 COMP 4.5' (H000025-41)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 70.3 % 41-142

Surrogate: 1-Chlorooctadecane 72.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NSW - 7 COMP 4.5' (H000025-42)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 8 COMP 4.5' (H000025-43)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 78.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 9 COMP 4.5' (H000025-44)

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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTEx	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 82.2 % 41-142

Surrogate: 1-Chlorooctadecane 84.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 10 COMP 4.5' (H000025-45)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 77.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.0 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 11 COMP 4.5' (H000025-46)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 12 COMP 4.5' (H000025-47)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 13 COMP 4.5' (H000025-48)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	160	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 83.1 % 41-142

Surrogate: 1-Chlorooctadecane 86.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 14 COMP 4.5' (H000025-49)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 77.8 % 41-142

Surrogate: 1-Chlorooctadecane 79.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 15 COMP 4.5' (H000025-50)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	416	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 80.5 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 16 COMP 4.5' (H000025-51)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	416	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 86.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 17 COMP 4.5' (H000025-52)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	320	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 81.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 18 COMP 4.5' (H000025-53)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 67.9 % 41-142

Surrogate: 1-Chlorooctadecane 67.3 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 19 COMP 4.5' (H000025-54)

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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTEx	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 20 COMP 4.5' (H000025-55)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 84.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 21 COMP 4.5' (H000025-56)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	256	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 81.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 22 COMP 4.5' (H000025-57)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEx	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	208	16.0	01/07/2020	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	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 86.0 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 1 COMP 4.5' (H000025-58)

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	01/06/2020	ND	2.15	107	2.00	5.37		
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/07/2020	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	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 2 COMP 4.5' (H000025-59)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	01/07/2020	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	01/06/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/06/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/06/2020	ND					

Surrogate: 1-Chlorooctane 73.5 % 41-142

Surrogate: 1-Chlorooctadecane 71.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 3 COMP 4.5' (H000025-60)

BTX 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	01/06/2020	ND	2.15	107	2.00	5.37	
Toluene*	<0.050	0.050	01/06/2020	ND	2.17	108	2.00	5.52	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	2.22	111	2.00	5.34	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	6.64	111	6.00	5.73	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/07/2020	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	01/07/2020	ND	203	101	200	5.13	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	205	103	200	5.29	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.8 % 41-142

Surrogate: 1-Chlorooctadecane 75.4 % 37.6-147

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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WSW - 4 COMP 4.5' (H000025-61)

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	01/06/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29	
Total BTEX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.4 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 5 COMP 4.5' (H000025-62)

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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.9 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 6 COMP 4.5' (H000025-63)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.8 % 41-142

Surrogate: 1-Chlorooctadecane 75.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 7 COMP 4.5' (H000025-64)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	16.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 72.5 % 41-142

Surrogate: 1-Chlorooctadecane 75.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 8 COMP 4.5' (H000025-65)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	16.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 9 COMP 4.5' (H000025-66)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	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	96.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 69.9 % 41-142

Surrogate: 1-Chlorooctadecane 71.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 1 COMP 4.5' (H000025-67)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	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	16.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 69.3 % 41-142

Surrogate: 1-Chlorooctadecane 72.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 2 COMP 4.5' (H000025-68)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29	
Total BTX	<0.300	0.300	01/06/2020	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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.4 % 41-142

Surrogate: 1-Chlorooctadecane 81.6 % 37.6-147

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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 3 COMP 4.5' (H000025-69)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.9 % 41-142

Surrogate: 1-Chlorooctadecane 78.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 4 COMP 4.5' (H000025-70)

BTX 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	01/06/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29	
Total BTX	<0.300	0.300	01/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	16.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 69.2 % 41-142

Surrogate: 1-Chlorooctadecane 72.9 % 37.6-147

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 5 COMP 4.5' (H000025-71)

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	01/06/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/06/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/06/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/06/2020	ND	5.83	97.1	6.00	1.29		
Total BTEX	<0.300	0.300	01/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 65.7 % 41-142

Surrogate: 1-Chlorooctadecane 67.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 6 COMP 4.5' (H000025-72)

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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 68.7 % 41-142

Surrogate: 1-Chlorooctadecane 71.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 7 COMP 4.5' (H000025-73)

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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTEX	<0.300	0.300	01/07/2020	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	48.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 80.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 8 COMP 4.5' (H000025-74)

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	01/07/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 9 COMP 4.5' (H000025-75)

BTX 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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	64.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 10 COMP 4.5' (H000025-76)

BTX 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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	64.0	16.0	01/07/2020	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	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 71.9 % 41-142

Surrogate: 1-Chlorooctadecane 72.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ESW - 11 COMP 4.5' (H000025-77)

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	01/07/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 80.3 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 1 COMP 4.5' (H000025-78)

BTX 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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.8 % 41-142

Surrogate: 1-Chlorooctadecane 75.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 2 COMP 4.5' (H000025-79)

BTX 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	01/07/2020	ND	1.89	94.7	2.00	1.57		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29		
Total BTX	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.2 % 41-142

Surrogate: 1-Chlorooctadecane 76.1 % 37.6-147

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 3 COMP 4.5' (H000025-80)

BTX 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	01/07/2020	ND	1.89	94.7	2.00	1.57	
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.4	2.00	1.51	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.99	99.7	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.83	97.1	6.00	1.29	
Total BTX	<0.300	0.300	01/07/2020	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	16.0	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	202	101	200	2.45	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	221	110	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 71.5 % 41-142

Surrogate: 1-Chlorooctadecane 73.4 % 37.6-147

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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 4 COMP 4.5' (H000025-81)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 92.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 5 COMP 4.5' (H000025-82)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEX	<0.300	0.300	01/07/2020	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	16.0	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 6 COMP 4.5' (H000025-83)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEX	<0.300	0.300	01/07/2020	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	16.0	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 83.0 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 7 COMP 4.5' (H000025-84)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 89.4 % 37.6-147

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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 8 COMP 4.5' (H000025-85)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 79.6 % 41-142

Surrogate: 1-Chlorooctadecane 83.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 9 COMP 4.5' (H000025-86)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEx	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 10 COMP 4.5' (H000025-87)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	64.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.4 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 11 COMP 4.5' (H000025-88)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	352	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.0 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 12 COMP 4.5' (H000025-89)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	336	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 13 COMP 4.5' (H000025-90)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	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	416	16.0	01/07/2020	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 14 COMP 4.5' (H000025-91)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEX	<0.300	0.300	01/07/2020	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	80.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 90.4 % 37.6-147

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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 15 COMP 4.5' (H000025-92)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	384	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 90.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 16 COMP 4.5' (H000025-93)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 64.0 % 41-142

Surrogate: 1-Chlorooctadecane 68.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/30/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 17 COMP 4.5' (H000025-94)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	16.0	16.0	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 68.9 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/07/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 12/30/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SSW - 18 COMP 4.5' (H000025-95)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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Analysis Request of Custody Record

Page 1 of 28



Tetra Tech, Inc.

 900 West Mail Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None				
										YEAR: 2019			
1	Bottomhole-1 Comp 4.5'	12/27/2019		X				X				1	N
2	Bottomhole-2 Comp 4.5'	12/27/2019		X				X				1	N
3	Bottomhole-3 Comp 4.5'	12/27/2019		X				X				1	N
4	Bottomhole-4 Comp 4.5'	12/27/2019		X				X				1	N
5	Bottomhole-5 Comp 4.5'	12/27/2019		X				X				1	N
6	Bottomhole-6 Comp 4.5'	12/27/2019		X				X				1	N
7	Bottomhole-7 Comp 4.5'	12/27/2019		X				X				1	N
8	Bottomhole-8 Comp 4.5'	12/27/2019		X				X				1	N
9	Bottomhole-9 Comp 4.5'	12/27/2019		X				X				1	N
10	Bottomhole-10 Comp 4.5'	12/27/2019		X				X				1	N

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

LAB USE ONLY	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
	TPH 8015R
	Hold

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
												YEAR: 2019
11	Bottomhole-11 Comp 4.5'	12/27/2019		X				X			1	N
12	Bottomhole-12 Comp 4.5'	12/27/2019		X				X			1	N
13	Bottomhole-13 Comp 4.5'	12/27/2019		X				X			1	N
14	Bottomhole-14 Comp 4.5'	12/27/2019		X				X			1	N
15	Bottomhole-15 Comp 4.5'	12/27/2019		X				X			1	N
14	Bottomhole-16 Comp 4.5'	12/27/2019		X				X			1	N
17	Bottomhole-17 Comp 4.5'	12/27/2019		X				X			1	N
18	Bottomhole-18 Comp 4.5'	12/27/2019		X				X			1	N
19	Bottomhole-19 Comp 4.5'	12/27/2019		X				X			1	N
20	Bottomhole-20 Comp 4.5'	12/27/2019		X				X			1	N

Relinquished by: [Signature]	Date: 12/27/2019	Time: 10:00	Received by: [Signature]	Date: 12/27/2019	Time: 10:00
Relinquished by: [Signature]	Date: 12/27/2019	Time: 10:00	Received by: [Signature]	Date: 12/27/2019	Time: 10:00
Relinquished by: [Signature]	Date: 12/27/2019	Time: 10:00	Received by: [Signature]	Date: 12/27/2019	Time: 10:00

LAB USE ONLY		REMARKS:	
Sample Temperature	#113 8.8°C	<input type="checkbox"/> STANDARD	
		<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr	
		<input type="checkbox"/> Rush Charges Authorized	
		<input type="checkbox"/> Special Report Limits or TRRP Report	

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	
TPH 8015R	
Hold	

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None				
										YEAR: 2019			
21	Bottomhole-21 Comp 4.5'	12/27/2019		X				X				1	N
22	Bottomhole-22 Comp 4.5'	12/27/2019		X				X				1	N
23	Bottomhole-23 Comp 4.5'	12/27/2019		X				X				1	N
24	Bottomhole-24 Comp 4.5'	12/27/2019		X				X				1	N
25	Bottomhole-25 Comp 4.5'	12/27/2019		X				X				1	N
26	Bottomhole-26 Comp 4.5'	12/27/2019		X				X				1	N
27	Bottomhole-27 Comp 4.5'	12/27/2019		X				X				1	N
28	Bottomhole-28 Comp 4.5'	12/27/2019		X				X				1	N
29	Bottomhole-29 Comp 4.5'	12/27/2019		X				X				1	N
30	Bottomhole-30 Comp 4.5'	12/27/2019		X				X				1	N

LAB USE ONLY	REMARKS:
Sample Temperature #113.2 2.86 yep	<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

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
TPH 8015R
Hold

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Page 22 of 28

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

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	HCL	HNO ₃	ICE	None					
										YEAR: 2019				TIME
31	Bottomhole-211 Comp 4.5'	1/3/2020		X		X						1	N	BTEX 8021B BTEX 8260B
32	Bottomhole-212 Comp 4.5'	1/3/2020		X		X						1	N	TPH TX1005 (Ext to C35)
33	Bottomhole-213 Comp 4.5'	1/3/2020		X		X						1	N	TPH 8015M (GRO - DRO - ORO - MRO)
34	Bottomhole-214 Comp 4.5'	1/3/2020		X		X						1	N	PAH 8270C
35	Bottomhole-215 Comp 4.5'	1/3/2020		X		X						1	N	Total Metals Ag As Ba Cd Cr Pb Se Hg
36	NSW-1 Comp 4.5'	12/30/2019		X		X						1	N	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
37	NSW-2 Comp 4.5'	12/30/2019		X		X						1	N	TCLP Volatiles
38	NSW-3 Comp 4.5'	12/30/2019		X		X						1	N	TCLP Semi Volatiles
39	NSW-4 Comp 4.5'	12/30/2019		X		X						1	N	RCI
40	NSW-5 Comp 4.5'	12/30/2019		X		X						1	N	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
														TPH 8015R
														Hold

Reinquired by: <i>[Signature]</i> Date: 1/6/20 Time: 1000	Received by: <i>[Signature]</i> Date: 1/6/20 Time: 10:00
Reinquired by: _____ Date: _____ Time: _____	Received by: _____ Date: _____ Time: _____

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

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Analysis Request of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-2946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
41	NSW-6 Comp 4.5'	12/30/2019		X				X		1	N
42	NSW-7 Comp 4.5'	12/30/2019		X				X		1	N
43	NSW-8 Comp 4.5'	12/30/2019		X				X		1	N
44	NSW-9 Comp 4.5'	12/30/2019		X				X		1	N
45	NSW-10 Comp 4.5'	12/30/2019		X				X		1	N
46	NSW-11 Comp 4.5'	12/30/2019		X				X		1	N
47	NSW-12 Comp 4.5'	12/30/2019		X				X		1	N
48	NSW-13 Comp 4.5'	12/30/2019		X				X		1	N
49	NSW-14 Comp 4.5'	12/30/2019		X				X		1	N
50	NSW-15 Comp 4.5'	12/30/2019		X				X		1	N

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

LAB USE ONLY	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
	TPH 8015R
	Hold

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Analysis Request of Chain of Custody Record

Page 24 of 28



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
												YEAR: 2019
51	NSW-16 Comp 4.5'	12/30/2019		X				X			1	N
52	NSW-17 Comp 4.5'	12/30/2019		X				X			1	N
53	NSW-18 Comp 4.5'	12/30/2019		X				X			1	N
54	NSW-19 Comp 4.5'	12/30/2019		X				X			1	N
55	NSW-20 Comp 4.5'	12/30/2019		X				X			1	N
56	NSW-21 Comp 4.5'	12/30/2019		X				X			1	N
57	NSW-22 Comp 4.5'	12/30/2019		X				X			1	N
58	WSW-1 Comp 4.5'	12/30/2019		X				X			1	N
59	WSW-2 Comp 4.5'	12/30/2019		X				X			1	N
60	WSW-3 Comp 4.5'	12/30/2019		X				X			1	N

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

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
TPH 8015R
Hold

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201 jo 101 e9d

Analysis Request of Custody Record

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Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 882-4559
 Fax (432) 882-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
												YEAR: 2019
41	WSW-4 Comp 4.5'	12/30/2019		X				X			1	N
42	WSW-5 Comp 4.5'	12/30/2019		X				X			1	N
43	WSW-6 Comp 4.5'	12/30/2019		X				X			1	N
44	WSW-7 Comp 4.5'	12/30/2019		X				X			1	N
45	WSW-8 Comp 4.5'	12/30/2019		X				X			1	N
46	WSW-9 Comp 4.5'	12/30/2019		X				X			1	N
47	ESW-1 Comp 4.5'	12/30/2019		X				X			1	N
48	ESW-2 Comp 4.5'	12/30/2019		X				X			1	N
49	ESW-3 Comp 4.5'	12/30/2019		X				X			1	N
70	ESW-4 Comp 4.5'	12/30/2019		X				X			1	N

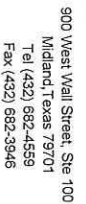
LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD	
<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr	
<input type="checkbox"/> Rush Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRRP Report	

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
TPH 8015R
Hold

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Tetra Tech, Inc.



ANALYSIS REQUEST
(Circle or Specify Method No.)

Released to Imaging: 11/29/2021 9:00:13 AM

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Analysis Request of Chain of Custody Record

Page 27 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

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	HCL	HNO ₃	ICE	None					
										YEAR: 2019				
81	SSW-4 Comp 4.5'	12/30/2019		X				X				1	N	BTEX 8021B BTEX 8260B
82	SSW-5 Comp 4.5'	12/30/2019		X				X				1	N	TPH TX1005 (Ext to C35)
83	SSW-6 Comp 4.5'	12/30/2019		X				X				1	N	TPH 8015M (GRO - DRO - ORO - MRO)
84	SSW-7 Comp 4.5'	12/30/2019		X				X				1	N	PAH 8270C
85	SSW-8 Comp 4.5'	12/30/2019		X				X				1	N	Total Metals Ag As Ba Cd Cr Pb Se Hg
86	SSW-9 Comp 4.5'	12/30/2019		X				X				1	N	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
87	SSW-10 Comp 4.5'	12/30/2019		X				X				1	N	TCLP Volatiles
88	SSW-11 Comp 4.5'	12/30/2019		X				X				1	N	TCLP Semi Volatiles
89	SSW-12 Comp 4.5'	12/30/2019		X				X				1	N	RCI
90	SSW-13 Comp 4.5'	12/30/2019		X				X				1	N	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
														TPH 8015R
														Hold

Relinquished by: <i>[Signature]</i>	Date: 1/6/20	Time: 1000	Received by: <i>[Signature]</i>	Date: 1-4-20	Time: 10:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
------------------	-------	-------	--------------	-------	-------

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

Sample Temperature: 113.0
28.8
70.0

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:		EOG				Site Manager:		Clair Gonzales													
Project Name:		Mamba St Com 601H						Project #:													
Project Location:		Lea County, New Mexico (county, state)																			
Invoice to:		James Kennedy																			
Receiving Laboratory:		Cardinal Lab						Sampler Signature:													
Comments:		Devin Dominguez																			
H 080025 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					
		91		SSW-14 Comp 4.5'		12/30/2019				X				X				1		N	
		92		SSW-15 Comp 4.5'		12/30/2019				X				X				1		N	
		93		SSW-16 Comp 4.5'		12/30/2019				X				X				1		N	
		94		SSW-17 Comp 4.5'		12/30/2019				X				X				1		N	
		95		SSW-18 Comp 4.5'		12/30/2019				X				X				1		N	
Relinquished by:		Date:		Time:		Received by:		Date:		Time:											
Relinquished by:		Date:		Time:		Received by:		Date:		Time:											
Relinquished by:		Date:		Time:		Received by:		Date:		Time:											

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

January 07, 2020

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MAMBA ST COM 601H

Enclosed are the results of analyses for samples received by the laboratory on 01/06/20 10:00.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 31 COMP 4.5' (H000027-01)

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	01/07/2020	ND	1.74	87.2	2.00	2.11	
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09	
Total BTEx	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 82.7 % 41-142

Surrogate: 1-Chlorooctadecane 89.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 32 COMP 4.5' (H000027-02)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	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	16.0	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.9 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 33 COMP 4.5' (H000027-03)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	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	3360	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	182	91.2	200	1.43	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	214	107	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 82.4 % 41-142

Surrogate: 1-Chlorooctadecane 89.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 34 COMP 4.5' (H000027-04)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	10700	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 93.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 35 COMP 4.5' (H000027-05)

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	01/07/2020	ND	1.74	87.2	2.00	2.11		
Toluene*	<0.050	0.050	01/07/2020	ND	1.88	93.9	2.00	2.92		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.81	90.3	2.00	0.758		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.27	87.8	6.00	1.09		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 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	864	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 36 COMP 4.5' (H000027-06)

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	01/07/2020	ND	2.04	102	2.00	1.16	QR-03
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	464	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.5 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 37 COMP 4.5' (H000027-07)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	336	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.4 % 41-142

Surrogate: 1-Chlorooctadecane 85.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 38 COMP 4.5' (H000027-08)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	464	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 39 COMP 4.5' (H000027-09)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	576	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.4 % 41-142

Surrogate: 1-Chlorooctadecane 82.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 40 COMP 4.5' (H000027-10)

BTX 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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8260	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 41 COMP 4.5' (H000027-11)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	8320	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 89.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 42 COMP 4.5' (H000027-12)

BTX 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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	6960	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.2 % 41-142

Surrogate: 1-Chlorooctadecane 84.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 43 COMP 4.5' (H000027-13)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	3560	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.4 % 41-142

Surrogate: 1-Chlorooctadecane 89.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 44 COMP 4.5' (H000027-14)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 70.8 % 41-142

Surrogate: 1-Chlorooctadecane 72.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 45 COMP 4.5' (H000027-15)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 78.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 46 COMP 4.5' (H000027-16)

BTX 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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	528	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 47 COMP 4.5' (H000027-17)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1620	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 71.7 % 41-142

Surrogate: 1-Chlorooctadecane 74.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 48 COMP 4.5' (H000027-18)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	2600	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 72.2 % 41-142

Surrogate: 1-Chlorooctadecane 75.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 49 COMP 4.5' (H000027-19)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1180	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 70.2 % 41-142

Surrogate: 1-Chlorooctadecane 70.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 50 COMP 4.5' (H000027-20)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 65.9 % 41-142

Surrogate: 1-Chlorooctadecane 69.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 51 COMP 4.5' (H000027-21)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	352	16.0	01/07/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 71.4 % 41-142

Surrogate: 1-Chlorooctadecane 72.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 52 COMP 4.5' (H000027-22)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1880	16.0	01/07/2020	ND	416	104	400	0.00	QM-07	

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	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 82.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 53 COMP 4.5' (H000027-23)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	256	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 54 COMP 4.5' (H000027-24)

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	01/07/2020	ND	2.04	102	2.00	1.16		
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 89.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 55 COMP 4.5' (H000027-25)

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	01/07/2020	ND	2.04	102	2.00	1.16	
Toluene*	<0.050	0.050	01/07/2020	ND	2.05	103	2.00	1.22	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.11	105	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.30	105	6.00	1.35	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 56 COMP 4.5' (H000027-26)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	10400	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 91.6 % 41-142

Surrogate: 1-Chlorooctadecane 94.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 57 COMP 4.5' (H000027-27)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	32.0	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 58 COMP 4.5' (H000027-28)

BTX 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	01/07/2020	ND	1.86	93.2	2.00	1.90	
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 93.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 59 COMP 4.5' (H000027-29)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	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	32.0	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 60 COMP 4.5' (H000027-30)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 61 COMP 4.5' (H000027-31)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	48.0	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 79.9 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 62 COMP 4.5' (H000027-32)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1200	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 77.4 % 41-142

Surrogate: 1-Chlorooctadecane 79.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 63 COMP 4.5' (H000027-33)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	256	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 64 COMP 4.5' (H000027-34)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	1380	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 83.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 65 COMP 4.5' (H000027-35)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	2560	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 80.7 % 41-142

Surrogate: 1-Chlorooctadecane 84.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 66 COMP 4.5' (H000027-36)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	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	1700	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 67 COMP 4.5' (H000027-37)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	5760	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 91.1 % 41-142

Surrogate: 1-Chlorooctadecane 94.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 68 COMP 4.5' (H000027-38)

BTX 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	01/07/2020	ND	1.86	93.2	2.00	1.90	
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	4000	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 89.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 69 COMP 4.5' (H000027-39)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	752	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 91.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 70 COMP 4.5' (H000027-40)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	352	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 83.6 % 41-142

Surrogate: 1-Chlorooctadecane 86.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 71 COMP 4.5' (H000027-41)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	608	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 72 COMP 4.5' (H000027-42)

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	01/07/2020	ND	1.86	93.2	2.00	1.90	
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 73 COMP 4.5' (H000027-43)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	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	2720	16.0	01/07/2020	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	01/07/2020	ND	207	104	200	0.326	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	211	106	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 74 COMP 4.5' (H000027-44)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	832	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 72.4 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 75 COMP 4.5' (H000027-45)

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	01/07/2020	ND	1.86	93.2	2.00	1.90		
Toluene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	2.77		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.95	97.3	2.00	2.54		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.68	94.6	6.00	2.55		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	752	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 69.8 % 41-142

Surrogate: 1-Chlorooctadecane 72.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 76 COMP 4.5' (H000027-46)

BTX 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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	4560	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 79.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 77 COMP 4.5' (H000027-47)

BTX 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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	4640	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 84.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 78 COMP 4.5' (H000027-48)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	12300	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.0 % 41-142

Surrogate: 1-Chlorooctadecane 84.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 79 COMP 4.5' (H000027-49)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	736	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 77.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	12/27/2019
Reported:	01/07/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 80 COMP 4.5' (H000027-50)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	752	16.0	01/07/2020	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	01/07/2020	ND	198	99.0	200	5.88	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	227	113	200	6.34	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.7 % 41-142

Surrogate: 1-Chlorooctadecane 79.4 % 37.6-147

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

75 jo 35 e9d

Analysis Request of Chain of Custody Record

Page 4 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
												YEAR: 2019
1	Bottomhole-31 Comp 4.5'	12/27/2019		X				X			1	N
2	Bottomhole-32 Comp 4.5'	12/27/2019		X				X			1	N
3	Bottomhole-33 Comp 4.5'	12/27/2019		X				X			1	N
4	Bottomhole-34 Comp 4.5'	12/27/2019		X				X			1	N
5	Bottomhole-35 Comp 4.5'	12/27/2019		X				X			1	N
6	Bottomhole-36 Comp 4.5'	12/27/2019		X				X			1	N
7	Bottomhole-37 Comp 4.5'	12/27/2019		X				X			1	N
8	Bottomhole-38 Comp 4.5'	12/27/2019		X				X			1	N
9	Bottomhole-39 Comp 4.5'	12/27/2019		X				X			1	N
10	Bottomhole-40 Comp 4.5'	12/27/2019		X				X			1	N

LAB USE ONLY		REMARKS:	
Sample Temperature	STANDARD	RUSH: Same Day 24 hr 48 hr 72 hr	Rush Charges Authorized
#113	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.82	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	
TPH 8015R	
Hold	

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

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	HCL	HNO ₃	ICE	None				
													YEAR: 2019
11	Bottomhole-41 Comp 4.5'	12/27/2019		X				X			1	N	X
12	Bottomhole-42 Comp 4.5'	12/27/2019		X				X			1	N	X
13	Bottomhole-43 Comp 4.5'	12/27/2019		X				X			1	N	X
14	Bottomhole-44 Comp 4.5'	12/27/2019		X				X			1	N	X
15	Bottomhole-45 Comp 4.5'	12/27/2019		X				X			1	N	X
16	Bottomhole-46 Comp 4.5'	12/27/2019		X				X			1	N	X
17	Bottomhole-47 Comp 4.5'	12/27/2019		X				X			1	N	X
18	Bottomhole-48 Comp 4.5'	12/27/2019		X				X			1	N	X
19	Bottomhole-49 Comp 4.5'	12/27/2019		X				X			1	N	X
20	Bottomhole-50 Comp 4.5'	12/27/2019		X				X			1	N	X

Relinquished by:	Date: 11/6/20	Time: 1000	Received by:	Date: 10/1/20	Time: 10:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	BTX 8021B BTX 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 TPH 8015R Hold

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Analysis Request of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #: _____	
Project Location: Lea County, New Mexico (county, state)		Project #: _____	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments: _____	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None		
21	Bottomhole-51 Comp 4.5'	12/27/2019		X				X		1	N
22	Bottomhole-52 Comp 4.5'	12/27/2019		X				X		1	N
23	Bottomhole-53 Comp 4.5'	12/27/2019		X				X		1	N
24	Bottomhole-54 Comp 4.5'	12/27/2019		X				X		1	N
25	Bottomhole-55 Comp 4.5'	12/27/2019		X				X		1	N
26	Bottomhole-56 Comp 4.5'	12/27/2019		X				X		1	N
27	Bottomhole-57 Comp 4.5'	12/27/2019		X				X		1	N
28	Bottomhole-58 Comp 4.5'	12/27/2019		X				X		1	N
29	Bottomhole-59 Comp 4.5'	12/27/2019		X				X		1	N
30	Bottomhole-60 Comp 4.5'	12/27/2019		X				X		1	N

LAB USE ONLY		REMARKS:
Sample Temperature	LAB USE ONLY	
#113.2 28.0 70.	<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Special Report Limits or TRRP Report	<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Special Report Limits or TRRP Report

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	
TPH 8015R	
Hold	

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Analysis Request of Custody Record

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Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name:	EOG	Site Manager:	Clair Gonzales
Project Name:	Mamba St Com 601H		
Project Location: (county, state)	Lea County, New Mexico	Project #:	
Invoice to:	James Kennedy		
Receiving Laboratory:	Cardinal Lab	Sampler Signature:	Devin Dominguez
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
												YEAR: 2019
31	Bottomhole-61 Comp 4.5'	12/27/2019		X				X			1	N
32	Bottomhole-62 Comp 4.5'	12/27/2019		X				X			1	N
33	Bottomhole-63 Comp 4.5'	12/27/2019		X				X			1	N
34	Bottomhole-64 Comp 4.5'	12/27/2019		X				X			1	N
35	Bottomhole-65 Comp 4.5'	12/27/2019		X				X			1	N
36	Bottomhole-66 Comp 4.5'	12/27/2019		X				X			1	N
37	Bottomhole-67 Comp 4.5'	12/27/2019		X				X			1	N
38	Bottomhole-68 Comp 4.5'	12/27/2019		X				X			1	N
39	Bottomhole-69 Comp 4.5'	12/27/2019		X				X			1	N
40	Bottomhole-70 Comp 4.5'	12/27/2019		X				X			1	N

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

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
TPH 8015R
Hold

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Analysis Request of Custody Record

Page 8 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name:		EOG		Site Manager:		Clair Gonzales	
Project Name:		Mamba St Com 601H		Project #:			
Project Location: (county, state)		Lea County, New Mexico		Project #:			
Invoice to:		James Kennedy		Sampler Signature:		Devin Dominguez	
Receiving Laboratory:		Cardinal Lab		Sampler Signature:		Devin Dominguez	
Comments:							

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
441	Bottomhole-71 Comp 4.5'		12/27/2019		X			X			1	N
442	Bottomhole-72 Comp 4.5'		12/27/2019		X			X			1	N
443	Bottomhole-73 Comp 4.5'		12/27/2019		X			X			1	N
444	Bottomhole-74 Comp 4.5'		12/27/2019		X			X			1	N
445	Bottomhole-75 Comp 4.5'		12/27/2019		X			X			1	N
446	Bottomhole-76 Comp 4.5'		12/27/2019		X			X			1	N
447	Bottomhole-77 Comp 4.5'		12/27/2019		X			X			1	N
448	Bottomhole-78 Comp 4.5'		12/27/2019		X			X			1	N
449	Bottomhole-79 Comp 4.5'		12/27/2019		X			X			1	N
50	Bottomhole-80 Comp 4.5'		12/27/2019		X			X			1	N

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

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
TPH 8015R
Hold

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

January 08, 2020

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MAMBA ST COM 601H

Enclosed are the results of analyses for samples received by the laboratory on 01/06/20 10:00.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 81 COMP 4.5' (H000028-01)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	8930	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 80.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 82 COMP 4.5' (H000028-02)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	96.0	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 82.3 % 41-142

Surrogate: 1-Chlorooctadecane 84.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 83 COMP 4.5' (H000028-03)

BTX 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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	21600	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 84 COMP 4.5' (H000028-04)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	448	16.0	01/07/2020	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	01/07/2020	ND	210	105	200	14.4	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	226	113	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 85 COMP 4.5' (H000028-05)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	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	5120	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 86 COMP 4.5' (H000028-06)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	4080	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 87 COMP 4.5' (H000028-07)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	8480	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.1 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 88 COMP 4.5' (H000028-08)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	272	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 89 COMP 4.5' (H000028-09)

BTX 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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	15700	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 81.0 % 41-142

Surrogate: 1-Chlorooctadecane 83.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 90 COMP 4.5' (H000028-10)

BTX 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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 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	16800	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 83.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 91 COMP 4.5' (H000028-11)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	6400	16.0	01/07/2020	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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 92 COMP 4.5' (H000028-12)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	6660	16.0	01/07/2020	ND	416	104	400	3.92	QM-07	

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 93 COMP 4.5' (H000028-13)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	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	48.0	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 72.8 % 41-142

Surrogate: 1-Chlorooctadecane 80.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 94 COMP 4.5' (H000028-14)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	12200	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 95 COMP 4.5' (H000028-15)

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	01/07/2020	ND	1.79	89.6	2.00	5.03		
Toluene*	<0.050	0.050	01/07/2020	ND	1.94	97.0	2.00	0.604		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.89	94.4	2.00	0.412		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.56	92.6	6.00	1.42		
Total BTEx	<0.300	0.300	01/07/2020	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	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 79.1 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 96 COMP 4.5' (H000028-16)

BTX 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	01/07/2020	ND	1.93	96.4	2.00	3.67	QR-03	
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	6660	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 80.2 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 97 COMP 4.5' (H000028-17)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.2 % 41-142

Surrogate: 1-Chlorooctadecane 79.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 98 COMP 4.5' (H000028-18)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	4400	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 87.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 99 COMP 4.5' (H000028-19)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	14000	16.0	01/07/2020	ND	416	104	400	3.92	

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 80.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 100 COMP 4.5' (H000028-20)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	01/07/2020	ND	416	104	400	3.92		

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	01/07/2020	ND	196	98.1	200	9.75	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	196	98.0	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 77.4 % 41-142

Surrogate: 1-Chlorooctadecane 78.7 % 37.6-147

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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 101 COMP 4.5' (H000028-21)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1650	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 102 COMP 4.5' (H000028-22)

BTX 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	01/07/2020	ND	1.93	96.4	2.00	3.67	
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	13000	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 103 COMP 4.5' (H000028-23)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	288	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 82.9 % 41-142

Surrogate: 1-Chlorooctadecane 85.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 104 COMP 4.5' (H000028-24)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	25200	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 78.0 % 41-142

Surrogate: 1-Chlorooctadecane 80.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 105 COMP 4.5' (H000028-25)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	26400	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 82.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 106 COMP 4.5' (H000028-26)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	24400	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 107 COMP 4.5' (H000028-27)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	6800	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 108 COMP 4.5' (H000028-28)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	7000	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.8 % 41-142

Surrogate: 1-Chlorooctadecane 87.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 109 COMP 4.5' (H000028-29)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	20200	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.4 % 41-142

Surrogate: 1-Chlorooctadecane 91.9 % 37.6-147

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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 110 COMP 4.5' (H000028-30)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	5520	16.0	01/07/2020	ND	416	104	400	3.92		

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 89.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 111 COMP 4.5' (H000028-31)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	256	16.0	01/07/2020	ND	416	104	400	3.92	

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 112 COMP 4.5' (H000028-32)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	20800	16.0	01/07/2020	ND	400	100	400	7.69	QM-07	

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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 113 COMP 4.5' (H000028-33)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	34400	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 114 COMP 4.5' (H000028-34)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	15600	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 115 COMP 4.5' (H000028-35)

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	01/07/2020	ND	1.93	96.4	2.00	3.67		
Toluene*	<0.050	0.050	01/07/2020	ND	1.93	96.3	2.00	4.26		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.98	98.8	2.00	4.14		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.92	98.7	6.00	4.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	25600	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 82.6 % 41-142

Surrogate: 1-Chlorooctadecane 84.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 116 COMP 4.5' (H000028-36)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	2440	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 83.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 117 COMP 4.5' (H000028-37)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	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	19600	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 118 COMP 4.5' (H000028-38)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	6960	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.4 % 41-142

Surrogate: 1-Chlorooctadecane 88.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 119 COMP 4.5' (H000028-39)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	10100	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 120 COMP 4.5' (H000028-40)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEX	<0.300	0.300	01/07/2020	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	12800	16.0	01/07/2020	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	01/08/2020	ND	201	101	200	9.50	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	222	111	200	4.62	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 88.6 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 121 COMP 4.5' (H000028-41)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	11800	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.1 % 41-142

Surrogate: 1-Chlorooctadecane 88.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 122 COMP 4.5' (H000028-42)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	11200	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 123 COMP 4.5' (H000028-43)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	12200	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 124 COMP 4.5' (H000028-44)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	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	28400	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 125 COMP 4.5' (H000028-45)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	26000	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 81.8 % 41-142

Surrogate: 1-Chlorooctadecane 84.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 126 COMP 4.5' (H000028-46)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	33600	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 127 COMP 4.5' (H000028-47)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	2720	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 128 COMP 4.5' (H000028-48)

BTX 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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	4240	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 129 COMP 4.5' (H000028-49)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	17200	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 83.1 % 41-142

Surrogate: 1-Chlorooctadecane 87.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 130 COMP 4.5' (H000028-50)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	29600	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 82.1 % 41-142

Surrogate: 1-Chlorooctadecane 84.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 131 COMP 4.5' (H000028-51)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	32000	16.0	01/07/2020	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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 90.3 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 132 COMP 4.5' (H000028-52)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	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	17800	16.0	01/07/2020	ND	384	96.0	400	4.08	QM-07	

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 93.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 133 COMP 4.5' (H000028-53)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	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	24000	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 134 COMP 4.5' (H000028-54)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	5760	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 135 COMP 4.5' (H000028-55)

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	01/07/2020	ND	1.92	96.0	2.00	7.46		
Toluene*	<0.050	0.050	01/07/2020	ND	1.96	97.8	2.00	8.52		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.01	100	2.00	8.45		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.86	97.7	6.00	8.62		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	26800	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 88.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 136 COMP 4.5' (H000028-56)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	26000	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 137 COMP 4.5' (H000028-57)

BTX 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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	26000	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 83.4 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 138 COMP 4.5' (H000028-58)

BTX 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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	9600	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	212	106	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	231	115	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 88.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 139 COMP 4.5' (H000028-59)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	2880	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 70.2 % 41-142

Surrogate: 1-Chlorooctadecane 72.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 140 COMP 4.5' (H000028-60)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	1740	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 69.1 % 41-142

Surrogate: 1-Chlorooctadecane 71.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 141 COMP 4.5' (H000028-61)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	17600	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/07/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 86.6 % 41-142

Surrogate: 1-Chlorooctadecane 95.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 142 COMP 4.5' (H000028-62)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	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	24400	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/07/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 143 COMP 4.5' (H000028-63)

BTX 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	01/07/2020	ND	1.74	87.0	2.00	0.465	
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	12800	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 144 COMP 4.5' (H000028-64)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	176	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 145 COMP 4.5' (H000028-65)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	24000	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/06/2020
 Reported: 01/08/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM HOLE - 146 COMP 4.5' (H000028-66)

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	01/07/2020	ND	1.74	87.0	2.00	0.465	
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03	
Total BTEX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	8400	16.0	01/07/2020	ND	384	96.0	400	4.08	

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 95.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 147 COMP 4.5' (H000028-67)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	10200	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 96.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 148 COMP 4.5' (H000028-68)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	912	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.9 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 149 COMP 4.5' (H000028-69)

BTX 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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	16400	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 150 COMP 4.5' (H000028-70)

BTX 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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	1840	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.7 % 41-142

Surrogate: 1-Chlorooctadecane 95.2 % 37.6-147

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:	EOG	Site Manager:	Clair Gonzales
Project Name:	Mamba St Com 601H	Project #:	
Project Location: (county, state)	Lea County, New Mexico	Project #:	
Invoice to:	James Kennedy	Sampler Signature:	Devin Dominguez
Receiving Laboratory:	Cardinal Lab	Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
1	Bottomhole-81 Comp 4.5'	1/3/2020		X				X		1	N
2	Bottomhole-82 Comp 4.5'	1/3/2020		X				X		1	N
3	Bottomhole-83 Comp 4.5'	1/3/2020		X				X		1	N
4	Bottomhole-84 Comp 4.5'	1/3/2020		X				X		1	N
5	Bottomhole-85 Comp 4.5'	1/3/2020		X				X		1	N
6	Bottomhole-86 Comp 4.5'	1/3/2020		X				X		1	N
7	Bottomhole-87 Comp 4.5'	1/3/2020		X				X		1	N
8	Bottomhole-88 Comp 4.5'	1/3/2020		X				X		1	N
9	Bottomhole-89 Comp 4.5'	1/3/2020		X				X		1	N
10	Bottomhole-90 Comp 4.5'	1/3/2020		X				X		1	N

LAB USE ONLY		REMARKS:	
Sample Temperature	LAB USE ONLY	STANDARD	RUSH: Same Day 24 hr 48 hr 72 hr
#113			
2.8e			
70.			

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	
TPH 8015R	
Hold	

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Analysis Request of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 882-4559
 Fax (432) 882-3946

Page 10 of 28

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H			
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None		
11	Bottomhole-91 Comp 4.5'	1/3/2020		X			X			1	N
12	Bottomhole-92 Comp 4.5'	1/3/2020		X			X			1	N
13	Bottomhole-93 Comp 4.5'	1/3/2020		X			X			1	N
14	Bottomhole-94 Comp 4.5'	1/3/2020		X			X			1	N
15	Bottomhole-95 Comp 4.5'	1/3/2020		X			X			1	N
16	Bottomhole-96 Comp 4.5'	1/3/2020		X			X			1	N
17	Bottomhole-97 Comp 4.5'	1/3/2020		X			X			1	N
18	Bottomhole-98 Comp 4.5'	1/3/2020		X			X			1	N
19	Bottomhole-99 Comp 4.5'	1/3/2020		X			X			1	N
20	Bottomhole-100 Comp 4.5'	1/3/2020		X			X			1	N

LAB USE ONLY		ANALYSIS REQUEST (Circle or Specify Method No.)																				
REMARKS: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	Sample Temperature #113 2.82 70	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	TPH 8015R	Hold
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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67 jo 52 e9d

Analysis Request of Chain of Custody Record

Page 11 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
21	Bottomhole-101 Comp 4.5'	1/3/2020		X				X		1	N
22	Bottomhole-102 Comp 4.5'	1/3/2020		X				X		1	N
23	Bottomhole-103 Comp 4.5'	1/3/2020		X				X		1	N
24	Bottomhole-104 Comp 4.5'	1/3/2020		X				X		1	N
25	Bottomhole-105 Comp 4.5'	1/3/2020		X				X		1	N
26	Bottomhole-106 Comp 4.5'	1/3/2020		X				X		1	N
27	Bottomhole-107 Comp 4.5'	1/3/2020		X				X		1	N
28	Bottomhole-108 Comp 4.5'	1/3/2020		X				X		1	N
29	Bottomhole-109 Comp 4.5'	1/3/2020		X				X		1	N
30	Bottomhole-110 Comp 4.5'	1/3/2020		X				X		1	N

LAB USE ONLY		REMARKS:
LAB USE ONLY	LAB USE ONLY	
11/6/20	1000	Received by: James Dominguez 1-6-20 Date: 10:00
Relinquished by:	Date:	Time:
Relinquished 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	
TPH 8015R	
Hold	

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

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Clair Gonzales

Devin Dominguez

Released to Imaging: 11/29/2021 9:00:13 AM

Analysis Request of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H			
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
											YEAR: 2019
51 Bottomhole-131 Comp 4.5'	1/3/2020		X				X			1	N
52 Bottomhole-132 Comp 4.5'	1/3/2020		X				X			1	N
53 Bottomhole-133 Comp 4.5'	1/3/2020		X				X			1	N
54 Bottomhole-134 Comp 4.5'	1/3/2020		X				X			1	N
55 Bottomhole-135 Comp 4.5'	1/3/2020		X				X			1	N
56 Bottomhole-136 Comp 4.5'	1/3/2020		X				X			1	N
57 Bottomhole-137 Comp 4.5'	1/3/2020		X				X			1	N
58 Bottomhole-138 Comp 4.5'	1/3/2020		X				X			1	N
59 Bottomhole-139 Comp 4.5'	1/3/2020		X				X			1	N
60 Bottomhole-140 Comp 4.5'	1/3/2020		X				X			1	N

LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	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 TPH 8015R Hold

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

62 jo 62 e9d

Analysis Request of Custody Record

Page 15 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
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Client Name: EOG		Site Manager: Clair Gonzales																																																																																																																																	
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<div style="display: flex; justify-content: space-between;"> <div> LAB # <i>H080028</i> LAB USE ONLY </div> <div> SAMPLE IDENTIFICATION </div> </div>																																																																																																																																			
<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">SAMPLING</th> <th colspan="2">MATRIX</th> <th colspan="2">PRESERVATIVE METHOD</th> <th rowspan="2"># CONTAINERS</th> <th rowspan="2">FILTERED (Y/N)</th> </tr> <tr> <th>YEAR 2019</th> <th>DATE</th> <th>TIME</th> <th>WATER</th> <th>SOIL</th> <th>HCL</th> <th>HNO₃</th> <th>ICE</th> <th>None</th> </tr> </thead> <tbody> <tr> <td>601</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>602</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>603</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>604</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>605</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>606</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>607</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>608</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>609</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> <tr> <td>610</td> <td></td> <td>1/3/2020</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1</td> <td>N</td> </tr> </tbody> </table>			SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	YEAR 2019	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None	601		1/3/2020		X				X	1	N	602		1/3/2020		X				X	1	N	603		1/3/2020		X				X	1	N	604		1/3/2020		X				X	1	N	605		1/3/2020		X				X	1	N	606		1/3/2020		X				X	1	N	607		1/3/2020		X				X	1	N	608		1/3/2020		X				X	1	N	609		1/3/2020		X				X	1	N	610		1/3/2020		X				X	1	N	LAB USE ONLY <i>16/30 1000</i> <i>Mamba St Com 601H</i> <i>1-4-20</i> <i>10:00</i>	
	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)																																																																																																																											
	YEAR 2019	DATE	TIME	WATER	SOIL	HCL			HNO ₃	ICE	None																																																																																																																								
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610		1/3/2020		X				X	1	N																																																																																																																									
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 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
 TPH 8015R
 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

#113
2.8°C
79.

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



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

January 08, 2020

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MAMBA ST COM 601H

Enclosed are the results of analyses for samples received by the laboratory on 01/06/20 10:00.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 151 COMP 4.5' (H000029-01)

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	01/07/2020	ND	1.74	87.0	2.00	0.465	
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03	
Total BTEX	<0.300	0.300	01/07/2020	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	1420	16.0	01/07/2020	ND	384	96.0	400	4.08		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.6 % 41-142

Surrogate: 1-Chlorooctadecane 94.0 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 152 COMP 4.5' (H000029-02)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 95.7 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 153 COMP 4.5' (H000029-03)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	48.0	16.0	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 154 COMP 4.5' (H000029-04)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 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	8400	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 95.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 155 COMP 4.5' (H000029-05)

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	01/07/2020	ND	1.74	87.0	2.00	0.465		
Toluene*	<0.050	0.050	01/07/2020	ND	1.85	92.7	2.00	2.54		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.79	89.7	2.00	2.99		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.35	89.1	6.00	2.03		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	10600	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 156 COMP 4.5' (H000029-06)

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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	10800	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 94.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 157 COMP 4.5' (H000029-07)

BTX 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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1020	16.0	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 158 COMP 4.5' (H000029-08)

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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	6000	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 91.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 159 COMP 4.5' (H000029-09)

BTX 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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	6000	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 83.9 % 41-142

Surrogate: 1-Chlorooctadecane 92.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 160 COMP 4.5' (H000029-10)

BTX 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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	169	84.5	200	11.1	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	206	103	200	8.56	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 92.4 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 161 COMP 4.5' (H000029-11)

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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	560	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 162 COMP 4.5' (H000029-12)

BTX 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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	128	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 86.6 % 41-142

Surrogate: 1-Chlorooctadecane 94.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 163 COMP 4.5' (H000029-13)

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	01/07/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/07/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/07/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	912	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 93.1 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 164 COMP 4.5' (H000029-14)

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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	160	16.0	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 105 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 165 COMP 4.5' (H000029-15)

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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	160	16.0	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 97.1 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 166 COMP 4.5' (H000029-16)

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	01/08/2020	ND	2.12	106	2.00	4.40		
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	3680	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 97.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 167 COMP 4.5' (H000029-17)

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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	272	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 96.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 168 COMP 4.5' (H000029-18)

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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTEX	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1060	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 169 COMP 4.5' (H000029-19)

BTX 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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	240	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 98.6 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 170 COMP 4.5' (H000029-20)

BTX 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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	816	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 171 COMP 4.5' (H000029-21)

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	01/08/2020	ND	2.12	106	2.00	4.40		
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	464	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 89.2 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 172 COMP 4.5' (H000029-22)

BTX 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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTX	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	176	16.0	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 99.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 173 COMP 4.5' (H000029-23)

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	01/08/2020	ND	2.12	106	2.00	4.40	
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98	
Total BTEx	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	01/08/2020	ND	400	100	400	3.92	

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 174 COMP 4.5' (H000029-24)

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	01/08/2020	ND	2.12	106	2.00	4.40		
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1740	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 80.4 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 175 COMP 4.5' (H000029-25)

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	01/08/2020	ND	2.12	106	2.00	4.40		
Toluene*	<0.050	0.050	01/08/2020	ND	2.12	106	2.00	4.08		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.18	109	2.00	4.56		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	6.54	109	6.00	4.98		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	11600	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 84.6 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 176 COMP 4.5' (H000029-26)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	25600	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 92.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 177 COMP 4.5' (H000029-27)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	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	11600	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 178 COMP 4.5' (H000029-28)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	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	4400	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.2 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 179 COMP 4.5' (H000029-29)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	1960	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 93.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 180 COMP 4.5' (H000029-30)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	5600	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	171	85.4	200	10.4	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	213	106	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 91.0 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 181 COMP 4.5' (H000029-31)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	3000	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 70.9 % 41-142

Surrogate: 1-Chlorooctadecane 71.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 182 COMP 4.5' (H000029-32)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	80.0	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 69.1 % 41-142

Surrogate: 1-Chlorooctadecane 69.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 183 COMP 4.5' (H000029-33)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	16.0	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.0 % 41-142

Surrogate: 1-Chlorooctadecane 75.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 184 COMP 4.5' (H000029-34)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	16.0	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 74.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 185 COMP 4.5' (H000029-35)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	3240	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.6 % 41-142

Surrogate: 1-Chlorooctadecane 77.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 186 COMP 4.5' (H000029-36)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	20400	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 75.8 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 187 COMP 4.5' (H000029-37)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	13800	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.5 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 188 COMP 4.5' (H000029-38)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	11800	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	14.9	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 77.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 189 COMP 4.5' (H000029-39)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	1500	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 78.8 % 41-142

Surrogate: 1-Chlorooctadecane 80.6 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 190 COMP 4.5' (H000029-40)

BTX 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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTX	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	10000	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/07/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/07/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/07/2020	ND					

Surrogate: 1-Chlorooctane 76.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 191 COMP 4.5' (H000029-41)

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	01/07/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/07/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/07/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/07/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1840	16.0	01/08/2020	ND	400	100	400	3.92		

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	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.9 % 41-142

Surrogate: 1-Chlorooctadecane 74.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 192 COMP 4.5' (H000029-42)

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	01/08/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/08/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/08/2020	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	3560	16.0	01/08/2020	ND	432	108	400	0.00	QM-07	

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	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 70.0 % 41-142

Surrogate: 1-Chlorooctadecane 71.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 193 COMP 4.5' (H000029-43)

BTX 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	01/08/2020	ND	1.84	92.2	2.00	3.36	
Toluene*	<0.050	0.050	01/08/2020	ND	1.87	93.6	2.00	3.94	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	1.97	98.4	2.00	4.25	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.75	95.9	6.00	4.22	
Total BTX	<0.300	0.300	01/08/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	768	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 72.6 % 41-142

Surrogate: 1-Chlorooctadecane 73.6 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 194 COMP 4.5' (H000029-44)

BTX 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	01/08/2020	ND	1.84	92.2	2.00	3.36	
Toluene*	<0.050	0.050	01/08/2020	ND	1.87	93.6	2.00	3.94	
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	1.97	98.4	2.00	4.25	
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.75	95.9	6.00	4.22	
Total BTX	<0.300	0.300	01/08/2020	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	19600	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.9 % 41-142

Surrogate: 1-Chlorooctadecane 75.4 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 195 COMP 4.5' (H000029-45)

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	01/08/2020	ND	1.84	92.2	2.00	3.36		
Toluene*	<0.050	0.050	01/08/2020	ND	1.87	93.6	2.00	3.94		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	1.97	98.4	2.00	4.25		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.75	95.9	6.00	4.22		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	11000	16.0	01/08/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.0 % 41-142

Surrogate: 1-Chlorooctadecane 74.7 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 196 COMP 4.5' (H000029-46)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	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	32.0	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 197 COMP 4.5' (H000029-47)

BTX 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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTX	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	32.0	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 72.9 % 41-142

Surrogate: 1-Chlorooctadecane 74.1 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 198 COMP 4.5' (H000029-48)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	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	01/08/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 77.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 199 COMP 4.5' (H000029-49)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	12000	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 80.2 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 200 COMP 4.5' (H000029-50)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	186	93.0	200	8.66	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	215	108	200	6.09	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 71.9 % 41-142

Surrogate: 1-Chlorooctadecane 73.8 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 201 COMP 4.5' (H000029-51)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	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	48.0	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 202 COMP 4.5' (H000029-52)

BTX 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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTX	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	01/08/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 72.4 % 41-142

Surrogate: 1-Chlorooctadecane 78.3 % 37.6-147

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 203 COMP 4.5' (H000029-53)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	32.0	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 73.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 204 COMP 4.5' (H000029-54)

BTX 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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTX	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 74.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.3 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 205 COMP 4.5' (H000029-55)

BTX 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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTX	<0.300	0.300	01/08/2020	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	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 80.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 206 COMP 4.5' (H000029-56)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	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	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 75.6 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 207 COMP 4.5' (H000029-57)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	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	48.0	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 66.0 % 41-142

Surrogate: 1-Chlorooctadecane 69.5 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 208 COMP 4.5' (H000029-58)

BTX 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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTX	<0.300	0.300	01/08/2020	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	640	16.0	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 71.9 % 41-142

Surrogate: 1-Chlorooctadecane 73.9 % 37.6-147

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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 209 COMP 4.5' (H000029-59)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	256	16.0	01/08/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 78.3 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/06/2020	Sampling Date:	01/03/2020
Reported:	01/08/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOM HOLE - 210 COMP 4.5' (H000029-60)

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	01/08/2020	ND	1.93	96.7	2.00	10.9		
Toluene*	<0.050	0.050	01/08/2020	ND	1.96	98.0	2.00	11.0		
Ethylbenzene*	<0.050	0.050	01/08/2020	ND	2.02	101	2.00	11.0		
Total Xylenes*	<0.150	0.150	01/08/2020	ND	5.91	98.5	6.00	11.2		
Total BTEx	<0.300	0.300	01/08/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	01/08/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2020	ND	191	95.4	200	6.89	
DRO >C10-C28*	<10.0	10.0	01/08/2020	ND	220	110	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	01/08/2020	ND					

Surrogate: 1-Chlorooctane 68.5 % 41-142

Surrogate: 1-Chlorooctadecane 69.7 % 37.6-147

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

89 jo c9 ebd

Analysis Request of Custody Record

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Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
1 Bottomhole-151 Comp 4.5'	1/3/2020		X				X		1	N
2 Bottomhole-152 Comp 4.5'	1/3/2020		X				X		1	N
3 Bottomhole-153 Comp 4.5'	1/3/2020		X				X		1	N
4 Bottomhole-154 Comp 4.5'	1/3/2020		X				X		1	N
5 Bottomhole-155 Comp 4.5'	1/3/2020		X				X		1	N
6 Bottomhole-156 Comp 4.5'	1/3/2020		X				X		1	N
7 Bottomhole-157 Comp 4.5'	1/3/2020		X				X		1	N
8 Bottomhole-158 Comp 4.5'	1/3/2020		X				X		1	N
9 Bottomhole-159 Comp 4.5'	1/3/2020		X				X		1	N
10 Bottomhole-160 Comp 4.5'	1/3/2020		X				X		1	N

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
TPH 8015R
Hold

Relinquished by: <i>[Signature]</i> Date: 1/6/20 Time: 10:00	Received by: <i>[Signature]</i> Date: 1-20-20 Time: 10:00
Relinquished by: Date: Time:	Received by: Date: Time:
Relinquished by: Date: Time:	Received by: Date: Time:

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Sample Temperature

LAB USE ONLY

REMARKS:

STANDARD

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

89 jo t9 eba

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Page 17 of 28

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None				
										YEAR: 2019			
11	Bottomhole-161 Comp 4.5'	1/3/2020			X			X				1	N
12	Bottomhole-162 Comp 4.5'	1/3/2020			X			X				1	N
13	Bottomhole-163 Comp 4.5'	1/3/2020			X			X				1	N
14	Bottomhole-164 Comp 4.5'	1/3/2020			X			X				1	N
15	Bottomhole-165 Comp 4.5'	1/3/2020			X			X				1	N
16	Bottomhole-166 Comp 4.5'	1/3/2020			X			X				1	N
17	Bottomhole-167 Comp 4.5'	1/3/2020			X			X				1	N
18	Bottomhole-168 Comp 4.5'	1/3/2020			X			X				1	N
19	Bottomhole-169 Comp 4.5'	1/3/2020			X			X				1	N
20	Bottomhole-170 Comp 4.5'	1/3/2020			X			X				1	N

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

LAB USE ONLY	ANALYSIS REQUEST (Circle or Specify Method No.)
<input checked="" type="checkbox"/>	BTEX 8021B 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 checked="" type="checkbox"/>	TPH 8015R
<input checked="" type="checkbox"/>	Hold

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

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Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)			
Invoice to: James Kennedy			
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			
LAB USE ONLY			
SAMPLE IDENTIFICATION		SAMPLING	
DATE		TIME	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	
Bottomhole-180 Comp 4.5'		1/3/2020	
Bottomhole-171 Comp 4.5'		1/3/2020	
Bottomhole-172 Comp 4.5'		1/3/2020	
Bottomhole-173 Comp 4.5'		1/3/2020	
Bottomhole-174 Comp 4.5'		1/3/2020	
Bottomhole-175 Comp 4.5'		1/3/2020	
Bottomhole-176 Comp 4.5'		1/3/2020	
Bottomhole-177 Comp 4.5'		1/3/2020	
Bottomhole-178 Comp 4.5'		1/3/2020	
Bottomhole-179 Comp 4.5'		1/3/2020	

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Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: (county, state) Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Sampler Signature: Devin Dominguez	
Comments:			

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	HCL	HNO ₃	ICE	None					
										YEAR: 2019				
31	Bottomhole-181 Comp 4.5'	1/3/2020		X				X				1	N	X
32	Bottomhole-182 Comp 4.5'	1/3/2020		X				X				1	N	X
33	Bottomhole-183 Comp 4.5'	1/3/2020		X				X				1	N	X
34	Bottomhole-184 Comp 4.5'	1/3/2020		X				X				1	N	X
35	Bottomhole-185 Comp 4.5'	1/3/2020		X				X				1	N	X
36	Bottomhole-186 Comp 4.5'	1/3/2020		X				X				1	N	X
37	Bottomhole-187 Comp 4.5'	1/3/2020		X				X				1	N	X
38	Bottomhole-188 Comp 4.5'	1/3/2020		X				X				1	N	X
39	Bottomhole-189 Comp 4.5'	1/3/2020		X				X				1	N	X
40	Bottomhole-190 Comp 4.5'	1/3/2020		X				X				1	N	X

Relinquished by: <i>[Signature]</i>	Date: 1/6/20	Time: 1000	Received by: <i>[Signature]</i>	Date: 1-6-20	Time: 10:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

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

Sample Temperature	#113
	2.86
	7.0

(Circle) HAND DELIVERED	FEDEX	UPS	Tracking #
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89 jo 29 ebaD

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None				
										YEAR: 2019			
41	Bottomhole-191 Comp 4.5'	1/3/2020		X		X						1	N
42	Bottomhole-192 Comp 4.5'	1/3/2020		X		X						1	N
43	Bottomhole-193 Comp 4.5'	1/3/2020		X		X						1	N
44	Bottomhole-194 Comp 4.5'	1/3/2020		X		X						1	N
45	Bottomhole-195 Comp 4.5'	1/3/2020		X		X						1	N
46	Bottomhole-196 Comp 4.5'	1/3/2020		X		X						1	N
47	Bottomhole-197 Comp 4.5'	1/3/2020		X		X						1	N
48	Bottomhole-198 Comp 4.5'	1/3/2020		X		X						1	N
49	Bottomhole-199 Comp 4.5'	1/3/2020		X		X						1	N
50	Bottomhole-200 Comp 4.5'	1/3/2020		X		X						1	N

LAB USE ONLY	REMARKS:
Sample Temperature #113 2.8°C 70.	<input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report

LAB USE ONLY	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
	TPH 8015R
	Hold

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89 jo 89 eba d

Analysis Request of Chain of Custody Record

Page 21 of 28



Tetra Tech, Inc.

 900 West Wall Street, Ste 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

Client Name: EOG		Site Manager: Clair Gonzales	
Project Name: Mamba St Com 601H		Project #:	
Project Location: Lea County, New Mexico (county, state)		Project #:	
Invoice to: James Kennedy		Sampler Signature: Devin Dominguez	
Receiving Laboratory: Cardinal Lab		Comments:	

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
51	Bottomhole-201 Comp 4.5'		1/3/2020		X			X		1	N	
52	Bottomhole-202 Comp 4.5'		1/3/2020		X			X		1	N	
53	Bottomhole-203 Comp 4.5'		1/3/2020		X			X		1	N	
54	Bottomhole-204 Comp 4.5'		1/3/2020		X			X		1	N	
55	Bottomhole-205 Comp 4.5'		1/3/2020		X			X		1	N	
56	Bottomhole-206 Comp 4.5'		1/3/2020		X			X		1	N	
57	Bottomhole-207 Comp 4.5'		1/3/2020		X			X		1	N	
58	Bottomhole-208 Comp 4.5'		1/3/2020		X			X		1	N	
59	Bottomhole-209 Comp 4.5'		1/3/2020		X			X		1	N	
60	Bottomhole-210 Comp 4.5'		1/3/2020		X			X		1	N	

LAB USE ONLY		REMARKS:	
Sample Temperature	STANDARD	RUSH: Same Day 24 hr 48 hr 72 hr	Special Report Limits or TRRP Report
#113 28.0			

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	
TPH 8015R	
Hold	

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

January 17, 2020

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MAMBA ST COM 601H

Enclosed are the results of analyses for samples received by the laboratory on 01/16/20 16:00.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 83 COMP 5.5' (H000172-01)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	1410	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 88.8 % 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
 CLAIR GONZALES
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	01/16/2020	Sampling Date:	01/15/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 104 COMP 5.5' (H000172-02)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	2800	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 83.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/15/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 105 COMP 5.5' (H000172-03)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	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	8800	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 92.1 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 106 COMP 4.5' (H000172-04)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8	
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8	
Total BTX	<0.300	0.300	01/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	1360	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 87.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 109 COMP 5.5' (H000172-05)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	9860	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.0 % 41-142

Surrogate: 1-Chlorooctadecane 90.9 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 112 COMP 5.5' (H000172-06)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	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	2320	16.0	01/17/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 91.9 % 41-142

Surrogate: 1-Chlorooctadecane 94.7 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 113 COMP 5.5' (H000172-07)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	2320	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 85.3 % 41-142

Surrogate: 1-Chlorooctadecane 88.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 115 COMP 5.5' (H000172-08)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	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	2440	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 124 COMP 5.5' (H000172-09)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	6720	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.8 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 125 COMP 5.5' (H000172-10)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	7360	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 96.5 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 126 COMP 5.5' (H000172-11)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	9200	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 91.8 % 41-142

Surrogate: 1-Chlorooctadecane 95.1 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 130 COMP 5.5' (H000172-12)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	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	5040	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 131 COMP 5.5' (H000172-13)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	6560	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 133 COMP 5.5' (H000172-14)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	7730	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 87.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.6 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 135 COMP 5.5' (H000172-15)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	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	8000	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.0 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 136 COMP 5.5' (H000172-16)

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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	7060	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 92.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.8 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/15/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 137 COMP 5.5' (H000172-17)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	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	9860	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 94.8 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 142 COMP 5.5' (H000172-18)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8	
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8	
Total BTX	<0.300	0.300	01/17/2020	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	12000	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 90.3 % 37.6-147

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 145 COMP 5.5' (H000172-19)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8	
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8	
Total BTX	<0.300	0.300	01/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	9600	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 99.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/14/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 176 COMP 5.5' (H000172-20)

BTX 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	01/17/2020	ND	1.76	88.1	2.00	14.8		
Toluene*	<0.050	0.050	01/17/2020	ND	1.76	88.0	2.00	15.0		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.79	89.5	2.00	14.7		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.22	87.0	6.00	14.8		
Total BTX	<0.300	0.300	01/17/2020	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	6260	16.0	01/17/2020	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	01/17/2020	ND	217	108	200	4.32	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	194	97.0	200	4.31	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: BOTTOMHOLE - 186 COMP 5.5' (H000172-21)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	7330	16.0	01/17/2020	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	01/16/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 87.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 10 COMP 5.5' (H000172-22)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEx	<0.300	0.300	01/17/2020	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	7330	16.0	01/17/2020	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	01/16/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 91.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: WSW - 11 COMP 5.5' (H000172-23)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEx	<0.300	0.300	01/17/2020	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	2520	16.0	01/17/2020	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	01/16/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW - 12 COMP 5.5' (H000172-24)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4	
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5	
Total BTX	<0.300	0.300	01/17/2020	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	1680	16.0	01/17/2020	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	01/16/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 94.1 % 41-142

Surrogate: 1-Chlorooctadecane 98.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW - 13 COMP 5.5' (H000172-25)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEx	<0.300	0.300	01/17/2020	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	4480	16.0	01/17/2020	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	01/16/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW - 14 COMP 5.5' (H000172-26)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4	
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5	
Total BTX	<0.300	0.300	01/17/2020	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	6530	16.0	01/17/2020	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	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 96.4 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW - 15 COMP 5.5' (H000172-27)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4	
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5	
Total BTX	<0.300	0.300	01/17/2020	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	2480	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WSW - 16 COMP 5.5' (H000172-28)

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	01/17/2020	ND	1.79	89.7	2.00	12.4	
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9	
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3	
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5	
Total BTEX	<0.300	0.300	01/17/2020	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	2560	16.0	01/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 99.4 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NSW - 23 COMP 5.5' (H000172-29)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	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	6080	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 96.8 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 24 COMP 5.5' (H000172-30)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	2320	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 25 COMP 5.5' (H000172-31)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	2520	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 92.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NSW - 26 COMP 5.5' (H000172-32)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	6260	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 93.0 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 27 COMP 5.5' (H000172-33)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	7200	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 89.8 % 41-142

Surrogate: 1-Chlorooctadecane 93.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: NSW - 28 COMP 5.5' (H000172-34)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	2360	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 89.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NSW - 29 COMP 5.5' (H000172-35)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	2480	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: ESW - 12 COMP 5.5' (H000172-36)

BTX 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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	9200	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581		
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555		
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND						

Surrogate: 1-Chlorooctane 94.6 % 41-142

Surrogate: 1-Chlorooctadecane 99.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: ESW - 13 COMP 5.5' (H000172-37)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	2400	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581		
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555		
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND						

Surrogate: 1-Chlorooctane 95.8 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ESW - 14 COMP 5.5' (H000172-38)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	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	2840	16.0	01/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 94.8 % 41-142

Surrogate: 1-Chlorooctadecane 99.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: ESW - 15 COMP 5.5' (H000172-39)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEx	<0.300	0.300	01/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	5840	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: ESW - 16 COMP 5.5' (H000172-40)

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	01/17/2020	ND	1.79	89.7	2.00	12.4		
Toluene*	<0.050	0.050	01/17/2020	ND	1.79	89.6	2.00	12.9		
Ethylbenzene*	<0.050	0.050	01/17/2020	ND	1.82	91.1	2.00	12.3		
Total Xylenes*	<0.150	0.150	01/17/2020	ND	5.31	88.5	6.00	12.5		
Total BTEX	<0.300	0.300	01/17/2020	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	6880	16.0	01/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	0.581	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	224	112	200	0.555	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 93.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: ESW - 17 COMP 5.5' (H000172-41)

BTX 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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTX	<0.300	0.300	01/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	2240	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 99.9 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ESW - 18 COMP 5.5' (H000172-42)

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	01/16/2020	ND	1.72	86.0	2.00	16.1	
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4	
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9	
Total BTEX	<0.300	0.300	01/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	2800	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 97.8 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SSW - 19 COMP 5.5' (H000172-43)

BTX 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	01/16/2020	ND	1.72	86.0	2.00	16.1	
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4	
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9	
Total BTX	<0.300	0.300	01/16/2020	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	6800	16.0	01/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 97.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 20 COMP 5.5' (H000172-44)

BTX 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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTX	<0.300	0.300	01/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	2320	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 96.8 % 37.6-147

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

Received: 01/16/2020
 Reported: 01/17/2020
 Project Name: MAMBA ST COM 601H
 Project Number: NONE GIVEN
 Project Location: EOG - LEA CO NM

Sampling Date: 01/16/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SSW - 21 COMP 5.5' (H000172-45)

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	01/16/2020	ND	1.72	86.0	2.00	16.1	
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4	
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8	
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9	
Total BTEX	<0.300	0.300	01/16/2020	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	2880	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/16/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/16/2020	ND					

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 22 COMP 5.5' (H000172-46)

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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTEX	<0.300	0.300	01/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	5440	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 98.9 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 23 COMP 5.5' (H000172-47)

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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTEX	<0.300	0.300	01/16/2020	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	6640	16.0	01/17/2020	ND	432	108	400	3.77	QM-07	

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	01/17/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 24 COMP 5.5' (H000172-48)

BTX 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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTX	<0.300	0.300	01/16/2020	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	2400	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 97.3 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

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

Received:	01/16/2020	Sampling Date:	01/16/2020
Reported:	01/17/2020	Sampling Type:	Soil
Project Name:	MAMBA ST COM 601H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EOG - LEA CO NM		

Sample ID: SSW - 25 COMP 5.5' (H000172-49)

BTX 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	01/16/2020	ND	1.72	86.0	2.00	16.1		
Toluene*	<0.050	0.050	01/16/2020	ND	1.75	87.7	2.00	15.4		
Ethylbenzene*	<0.050	0.050	01/16/2020	ND	1.77	88.3	2.00	16.8		
Total Xylenes*	<0.150	0.150	01/16/2020	ND	5.15	85.9	6.00	16.9		
Total BTX	<0.300	0.300	01/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	2640	16.0	01/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2020	ND	210	105	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/17/2020	ND	223	112	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	01/17/2020	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech				P.O. #: EOG				ANALYSIS REQUEST			
Project Manager: Clair Gonzales				Company: EOG							
Address: 901 W Wall				Attn: James Kennedy							
City: midland				Address:							
State: TX Zip: 79701				City: midland							
Phone #: 432-664-8185 Fax #: _____				State: TX Zip: 79701							
Project #: _____ Project Owner: _____				Phone #:							
Project Location: Lea, NM				Fax #:							
Sample Name: Devin Dominguez											
FOR LAB USE ONLY											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	TPH	BTEX	Chlorides							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL												OTHER :
HD00172																							
	Bottomhole - 83 Comp 5.5'	C	1	X								1/14		X									
	- 104 Comp 5.5'	C	1	X								1/15		X									
	- 105 Comp 5.5'	C	1	X								1/15		X									
	- 106 Comp 4.5'	C	1	X								1/14		X									
	- 109 Comp 5.5'	C	1	X								1/14		X									
	- 112 Comp 5.5'	C	1	X								1/16		X									
	- 113 Comp 5.5'	C	1	X								1/16		X									
	- 115 Comp 5.5'	C	1	X								1/16		X									
	- 124 Comp 5.5'	C	1	X								1/16		X									
	- 125 Comp 5.5'	C	1	X								1/16		X									

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Relinquished By: [Signature]	Date: 1/16	Received By: [Signature]	Date: 1/16
Relinquished By: [Signature]	Date: 1/16	Received By: [Signature]	Date: 1/16

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: [Signature]	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:			<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	

Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
All Results are emailed. Please provide Email address:	
REMARKS:	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tetra Tech</u>				BILL TO				ANALYSIS REQUEST					
Project Manager: <u>Clair Gonzales</u>				P.O. #:									
Address: <u>901 W Wall</u>				Company: <u>EOG</u>									
City: <u>Midland</u>				Attn: <u>Jamies Kennedy</u>									
State: <u>TX</u> Zip: <u>79701</u>				Address:									
Phone #: <u>432-664-8185</u> Fax #:				City: <u>Midland</u>									
Project #:				State: <u>TX</u> Zip: <u>79701</u>									
Project Name: <u>Mamba St Com 601H</u>				Phone #:									
Project Location: <u>Lea, NM</u>				Fax #:									
Sampler Name: <u>Devin Dominguez</u>													
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING	
								<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :		<input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :			
HD00172		Bottomhole-186 Comp 5.5'		C		1		X		X		DATE <u>9/20/20</u> TIME <u>11:16</u>	
21		USW-10 Comp 5.5'		C		1		X		X		BTEX	
22		USW-11		C		1		X		X		TPH	
23		USW-12		C		1		X		X		Chlorides	
24		USW-13		C		1		X		X			
25		USW-14		C		1		X		X			
26		USW-15		C		1		X		X			
27		USW-16		C		1		X		X			
28		USW-17		C		1		X		X			
29		USW-18		C		1		X		X			
30		USW-19		C		1		X		X			

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Relinquished By: <u>[Signature]</u>		Date: <u>9/16</u>		Received By: <u>[Signature]</u>		Date: <u>9/16</u>	
Relinquished By:		Date:		Received By:		Date:	
Time:		Time:		Time:		Time:	

Delivered By: (Circle One)		Observed Temp. °C <u>2.7</u>		Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <u>Standard</u> <input type="checkbox"/> Rush	
Thermometer ID # <u>92-113</u>		Correction Factor <u>+0.4 °C</u>		<input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C		REMARKS:	

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CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech			P.O. #:			BILL TO			ANALYSIS REQUEST																
Project Manager: Clair Gonzales						Company: EOC																			
Address: 901 W Wall						Attn: James Kennedy																			
City: Midland			State: TX			Zip: 79701																			
Phone #: 432-664-8185			Fax #:			Address:																			
Project #:			Project Owner:			City: Midland																			
Project Name: Mamba St Com GOI H			State: TX			Zip: 79701																			
Project Location: Lea, Tex			Phone #:																						
Sampler Name: Devin Dominguez			Fax #:																						
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING															
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
HDDD17Z	31 NSU-25 Comp B.S.	C 1	X										11/16		X	X	X								
	32 NSU-26	C 1	X												X	X	X								
	33 NSU-27	C 1	X												X	X	X								
	34 NSU-28	C 1	X												X	X	X								
	35 NSU-29	C 1	X												X	X	X								
	36 ESU-12	C 1	X												X	X	X								
	37 ESU-13	C 1	X												X	X	X								
	38 ESU-14	C 1	X												X	X	X								
	39 ESU-15	C 1	X												X	X	X								
	40 ESU-16	C 1	X												X	X	X								

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Relinquished By: [Signature]	Date: 11/16	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: [Signature]	Date: 11/16	Received By: [Signature]	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS Bus Other:	Observed Temp. °C: 2.7 Corrected Temp. °C:	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: [Signature] Turnaround Time: Standard Rush <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Thermometer ID #97 113 Correction Factor +0.4 °C
REMARKS:			



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tetra Tech</u>		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Clair Gonzales</u>		Company: <u>EOG</u>													
Address: <u>901 W Wall</u>		Attn: <u>James Kennedy</u>													
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>		Address:													
Phone #: <u>432-664-8185</u> Fax #:		City: <u>Midland</u>													
Project #: _____ Project Owner: _____		State: <u>TX</u> Zip: <u>79701</u>													
Project Location: <u>Lea, NM</u>		Phone #:													
Sampler Name: <u>Devin Dominguez</u>		Fax #:													
FOR LAB USE ONLY		PRESERV.		SAMPLING											
Lab I.D.		Sample I.D.													
H0DD0172		(G)RAB OR (C)OMP.													
41		# CONTAINERS													
42		GROUNDWATER													
43		WASTEWATER													
44		SOIL													
45		OIL													
46		SLUDGE													
47		OTHER:													
48		ACID/BASE:													
49		ICE / COOL													
		OTHER:													
		DATE													
		TIME													
		BTex													
		TPH													
		Chlorides													

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Relinquished By: _____	Date: <u>1/16</u>	Received By: _____	Date: <u>1/16</u>
Time: <u>10:00</u>	Time: <u>10:00</u>	Time: _____	Time: _____
Relinquished By: _____	Date: _____	Received By: _____	Date: _____
Time: _____	Time: _____	Time: _____	Time: _____

Delivered By: (Circle One)	Observed Temp. °C <u>2.7</u>	Sample Condition	CHECKED BY: (Initials) <u>JK</u>	Turnaround Time:	Standard <input type="checkbox"/>	Rush <input checked="" type="checkbox"/>	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Thermometer ID # <u>113</u>			Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Observed Temp. °C
		No <input type="checkbox"/> Yes <input type="checkbox"/>		Correction Factor + 0.4 °C			No <input type="checkbox"/> Yes <input type="checkbox"/>	Corrected Temp. °C
REMARKS:								
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:								
All Results are emailed. Please provide Email address:								

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Phone:(575) 393-6161 Fax:(575) 393-0720
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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 57139

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 57139
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	11/29/2021