

Site Information

Work Plan Asio Otis CTB (10.18.21) Eddy County, New Mexico Unit K Sec 18 T26S R27E Incident #: NAPP2130843614 32.040067°, -104.231313°

Produced Water Release
Source: Failed bull plug due to corrosion
Release Date: 10/18/2021
Volume Released: 31 bbls/Produced Water
Volume Recovered: 20 bbls/Produced Water

Prepared for: COG Operating, LLC 15 West London Rd Loving, NM 88256

Prepared by: NTG Environmental 701 Tradewinds Blvd Suite C Midland, TX 79706



TABLE OF CONTENTS

FIGURES

FIGURE 1	OVERVIEW MAP
FIGURE 2	TOPOGRAPHIC MAP
FIGURE 3	SITE LOCATION MAP
FIGURE 4	PROPOSED EXCAVATION AREA & DEPTH MAP

TABLES/PHOTOLOG

TABLE 1	INITIAL SOIL ANALYTICAL RESULTS
PHOTOS	PHOTOLOG

APPENDICES

APPENDIX A	C-141 INITIAL AND C-141 REMEDIATION
APPENDIX B	GROUNDWATER RESEARCH
APPENDIX C	LABORATORY ANALYTICAL REPORTS



701 Tradewinds Boulevard, Suite C Midland, Texas 79706 Tel. 432.685.3898 www.ntglobal.com

January 26, 2022

Mike Bratcher District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

Re: Work Plan

Asio Otis CTB (10.18.21) COG Operating, LLC Site Location: Unit K, S18, T26S, R27E Incident #: NAPP2130843614 (Lat 32.040067°, Long -104.231313°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment activities for the Asio Otis CTB (10.18.21) release. The site is located at 32.040067°, -104.231313° within Unit K, S18, T26S, R27E, and approximately 15.83 miles Southwest of Malaga, New Mexico, in Eddy County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 18, 2021, caused by a corroded bull plug. It resulted in the release of approximately thirty-one (31) barrels of produced water, and twenty (20) barrels of produced water were recovered. The impacted area measured approximately 155' x 125', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a ½ mile radius of the location. The nearest identified well is located approximately 1.35 miles Northwest of the site in S12, T26S, R26E, and drilled in 2018. The well has a reported depth to groundwater of 12.60' feet below ground surface (ft bgs). A copy of the associated *National Water Information System* report is attached in Appendix B.

Regulatory Criteria

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Assessment Activities

Trenches

On December 7, 2021, NTGE personnel were on site to vertically define the release. A total of seven (7) trenches (T-1 through T-7) were installed to total depths ranging from surface to 6 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, all samples were below the regulatory limits for TPH, Benzene, and Total BTEX. The area of T-1 had chloride concentration values ranging from 60,000 mg/kg to 560 mg/kg at a depth from the surface to 2' below the surface. The area of T-2 had chloride concentration values ranging from 59,200 mg/kg to 1,200 mg/kg at a depth from the surface to 4' below the surface. The area of T-3 had chloride concentration values ranging from 128,000 mg/kg to 448 mg/kg at a depth from the surface to 3' below the surface. The area of T-4 had chloride concentration values ranging from 28,000 mg/kg to 32.0 mg/kg at a depth from the surface to 6' below the surface. The area of T-5 had chloride concentration values ranging from 95,200 mg/kg to 432 mg/kg and at a depth from the surface to 3' below the surface. The area of T-6 had chloride concentration values ranging from 48,800 mg/kg to 128 mg/kg at a depth from the surface to 5' below the surface. The area of T-7 had chloride concentration values ranging from 72,800 mg/kg to 416 mg/kg at a depth from the surface to 4' below the surface.

All Horizontal samples (H-1 through H-7) were below the regulatory limits.

Proposed Work Plan

Based on the laboratory results and the detected chloride concentrations, COG proposes to excavate the areas as shown in Figure 4 and highlighted (yellow) in Table 1.

- The area of T-1 will be excavated to 2' below surface and backfilled with clean material to grade.
- The areas of T-3 and T-5 will be excavated to a depth of 3' below surface and backfilled with clean material to grade.
- The area of T-7 will be excavated to a depth of 4' below surface and backfilled with clean material to grade.
- The areas of T-2 and T-6 will be excavated to a depth of 5' below surface and backfilled with clean material to grade.
- The area of T-4 will be excavated to a depth of 6' below surface and backfilled with clean material to grade

Safety Concerns

Due to wall cave-ins and safety concerns, the proposed excavation depths may not be reached for the onsite personnel. In addition, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. COG will excavate the impacted soils to the maximum extent possible.

Composite sidewall and bottom hole samples will be collected every 400 square feet and analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B. Chloride by EPA method 300.0., to be representative of the release area for documentation purposes. COG estimates approximately 1,400 cubic yards to be removed and hauled to the nearest disposal. Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.

Conclusions

Upon completion, a final report detailing the remediation activities will be submitted to the NMOCD. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,

NTG Environmental

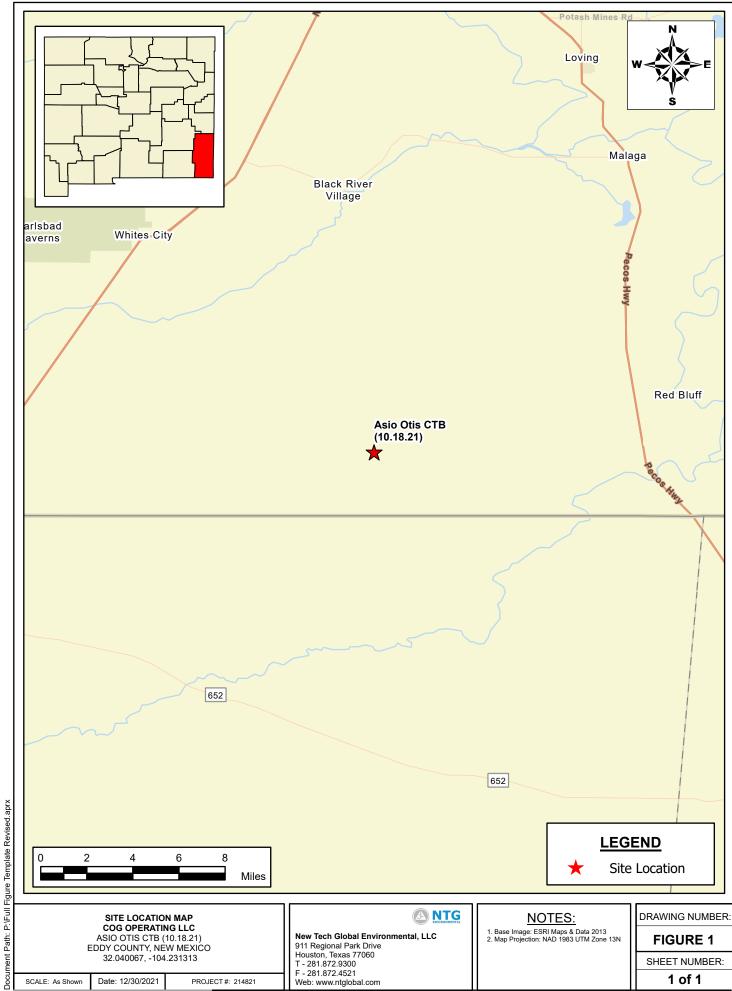
Mike Carmona

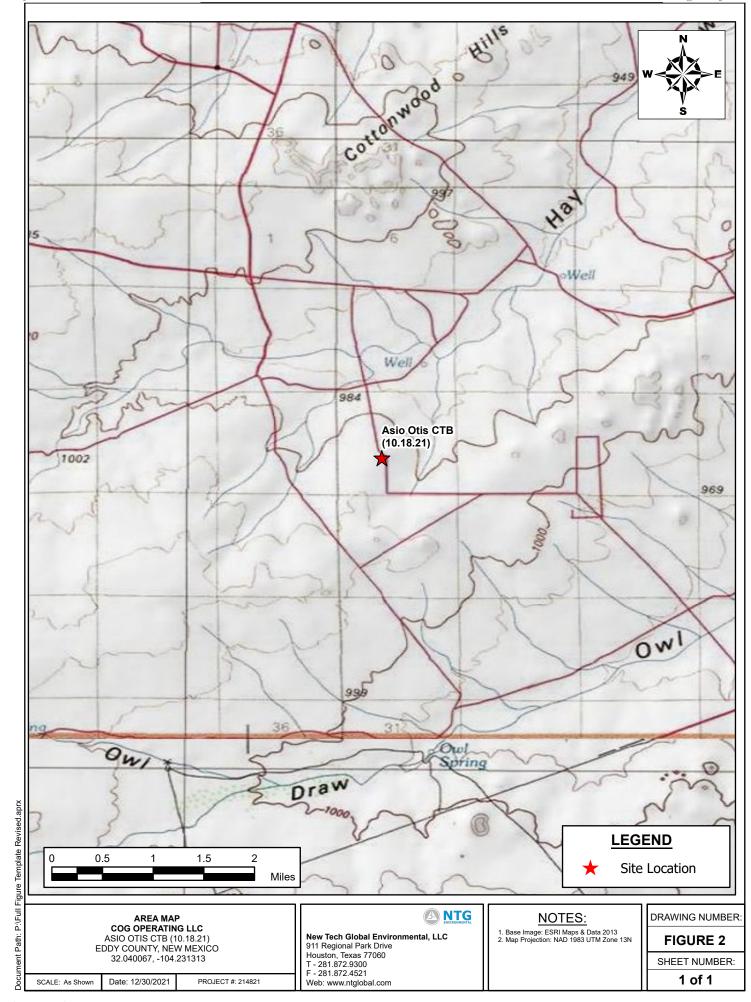
Senior Project Manager

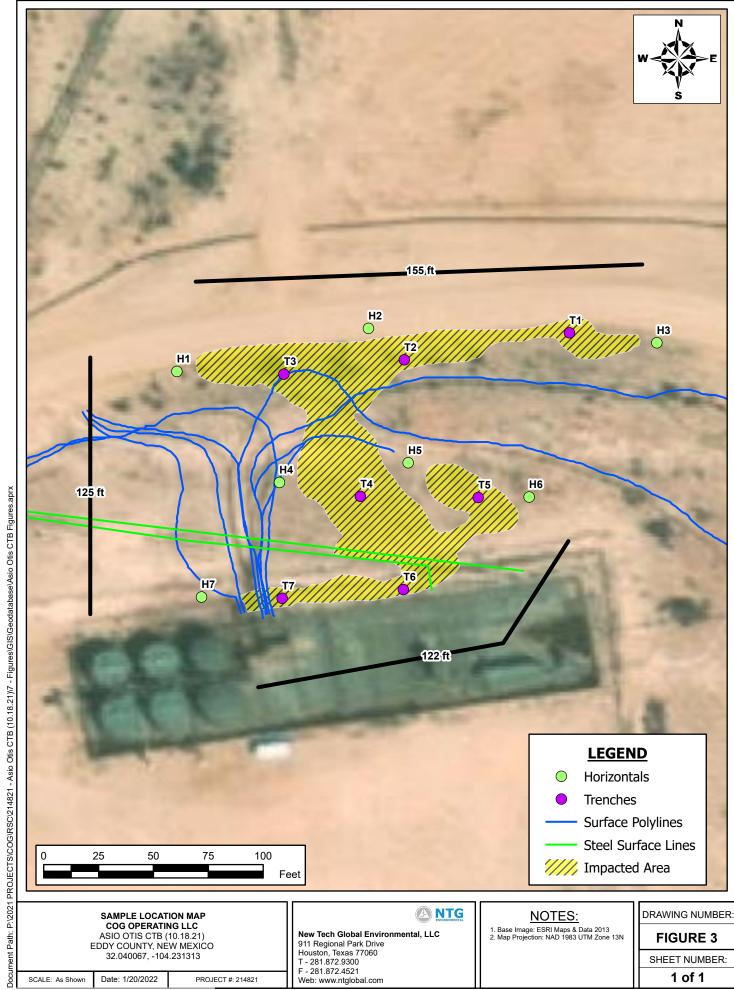
Ashton Thielke Project Manager

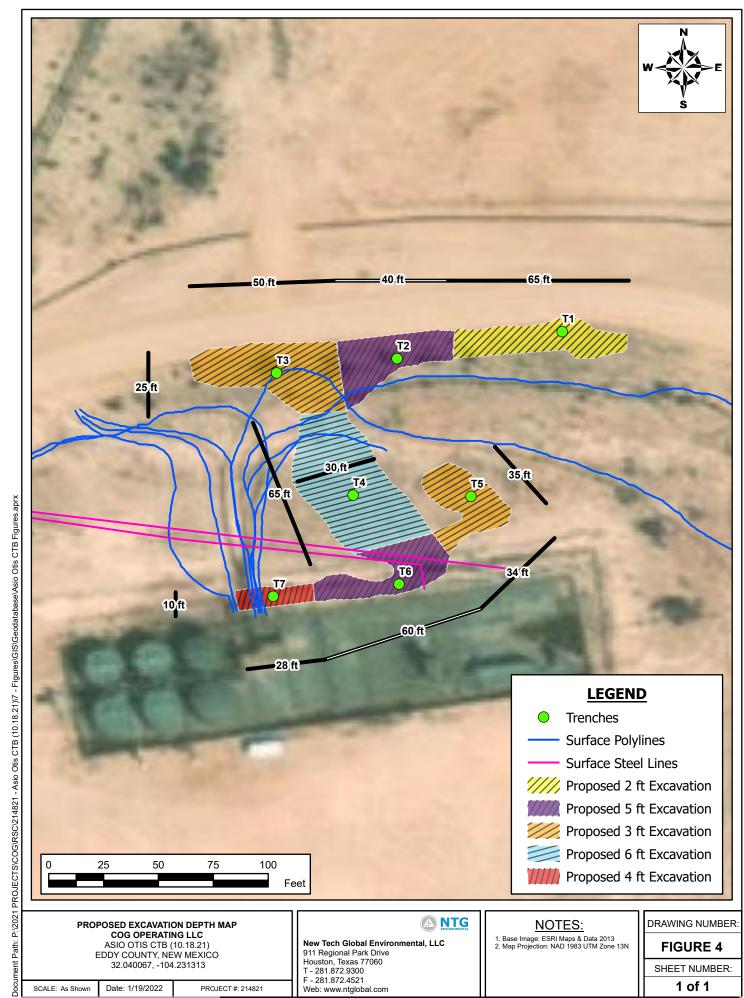


Figures











Tables

Table 1 Concho Operating, LLC Asio Otis CTB (10.18.21) Eddy County, New Mexico

		Sample		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	BTEX (mg/kg)	(mg/kg)
	12/7/2021	0-1	<10.0	14.5	<10.0	14.5	< 0.050	<0.050	<0.050	<0.150	<0.300	60,000
T-1		1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	688
		2	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	< 0.050	<0.150	<0.300	560
	12/7/2021	0-1	<10.0	40.0	<10.0	40.0	< 0.050	< 0.050	<0.050	<0.150	<0.300	59,200
		1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	5,600
T-2		2	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	2,640
		3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
	12/7/2021	0-1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	128,000
		1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	4,480
T-3		2	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	2,200
		3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	12/7/2021	0-1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	12,300
		1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	28,000
		2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,060
T-4		3	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	6,000
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
		5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
		6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
		7	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	12/7/2021	0-1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	95,200
		1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,440
T-5		2	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	1,620
		3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	12/7/2021	0-1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	48,800
		1	<10.0	<10.0	<10.0	<10.0	< 0.050	< 0.050	<0.050	<0.150	<0.300	4,080
		2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,240
T-6		3	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	2,640
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
		5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	6	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	12/6/2021	0-1	<10.0	28	<10.0	28	<0.050	<0.050	<0.050	<0.150	<0.300	72,800
		1	<10.0	<10.0	<10.0	<10.0	< 0.050	<0.050	<0.050	<0.150	<0.300	8,260
T-7		2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	13,400
		3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
		4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
		5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
H-1	10/27/2021	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	51.8
H-2	10/27/2021	0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.3
H-3	10/27/2021	0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	71.7
H-4	10/27/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.8
H-5	10/27/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.0
H-6	10/27/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.7
H-7	10/27/2021	0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	56.2
	ory Limits Excavation Dep	othe				100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

Proposed Excavation Depths
(-) Not Analyzed
A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-leet



Photo Log

PHOTOGRAPHIC LOG

COG Operating, LLC

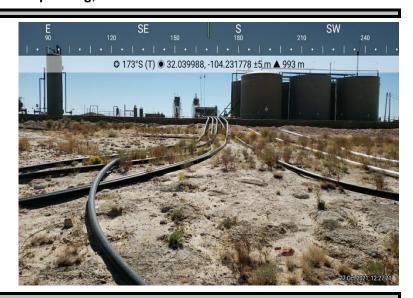
Photograph No. 1

Facility: Asio Otis CTB (10.18.21)

County: Eddy County, New Mexico

Description:

View South, area of T-2 through T-7.



Photograph No. 2

Facility: Asio Otis CTB (10.18.21)

County: Eddy County, New Mexico

Description:

View Southeast, area of T-4 through T-7.



Photograph No. 3

Facility: Asio Otis CTB (10.18.21)

County: Eddy County, New Mexico

Description:

View Southwest, area of T-5 through T-7.





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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party			OGRID				
Contact Nam	ie			Contact	Contact Telephone			
Contact email					Incident # (assigned by OCD)			
Contact mail	ing address			'				
					~			
			Location	of Release	Source			
Latitude				Longitud	e			
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)			
Site Name				Site Typ	e			
Date Release	Discovered			API# (if	applicable)			
Unit Letter	Section	Township	Range	Co	ounty			
Ont Letter	Section	Township	Runge		, unity	-		
						_		
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:)		
			Nature and	d Volume o	f Release			
Crude Oil		l(s) Released (Select al Volume Release		calculations or spec	Volume Reco	e volumes provided below) overed (bbls)		
Produced	Water	Volume Release	` ,		Volume Reco	• • •		
			ion of dissolved c	chloride in the	☐ Yes ☐ No			
		produced water						
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)		
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units)			e units)	Volume/Weight Recovered (provide units)				
Cause of Rele	ease							

Received by OCD: 2/17/2022 1259:23 PM1 State of New Mexico Page 2 Oil Conservation Division

P	ağ	es	17	d	6i	88
-	~~	-		-	~_1	-

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VFS, was immediate no	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
II 125, was ininediate in	once given to the OCD. By whom: 10 wi	when and by what means (phone, eman, etc).
	Initial R	esponse
The responsible p	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed an	
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred elease attach all information needed for closure evaluation.
regulations all operators are public health or the environment failed to adequately investigation	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature:	tan Jopanne	Date:
		Telephone:
OCD Only		
Received by: Ramona I	Marcus	Date:11/8/2021

_ Received by OCD:	2/17/2022 19	59:23 PM4	7	L48 Spill Volume	Estimate Form	NAPP2130843	614		Page_18.0f.88
Received by OCD.	2/114/2022 120	59:23 PM1 raciity Name & Number: A	Asio Otis						1 ugegasoy joo
	Asset Area: NDBW-N								
	Release Discovery Date & Time: 10-17-21 10:30am								
Release Type: Produced Water									
	Provide any	known details about the event:							
				Spill Calculation - Subs	urface Spill - Rectangle				
Was the release on pad or off-pad? See reference table below									
Has it	rained at least	a half inch in the last 24 hours?		u.	See reference tal	ole below			
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	15.0	5.0	20.00	0.00%	22.250	0.000			X 25000
Rectangle B	66.0	8.0	0.20	11.00%	1.566	0.172			
Rectangle C	132.0	8.0	0.20	11.00%	3.133	0.345			
Rectangle D	204.0	8.0	0.20	11.00%	4.842	0.533			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Released to Imagin	ig: 2/28/2022	3:14:14 PM		0	0.000	0.000			
					Total Volume Release	1.049			

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

District II

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

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

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 60247

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave Midland, TX 79701	Action Number: 60247
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	11/8/2021

Received by OCD: 2/17/2022 1:59:23 PM Form C-141 State of New Mexico Page 3 Oil Conservation Division

	Page 20 of 88
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)						
Did this release impact groundwater or surface water?							
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?							
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No						
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No						
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No						
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No						
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No						
Are the lateral extents of the release overlying a subsurface mine?							
Are the lateral extents of the release overlying an unstable area such as karst geology?							
Are the lateral extents of the release within a 100-year floodplain?							
Did the release impact areas not on an exploration, development, production, or storage site?							
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soi contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.							
Characterization Report Checklist: Each of the following items must be included in the report.							
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody							

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

Received by OCD: 2/17/2022 1:59:23 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 21 of	88
Incident ID		
District RP		
Facility ID		
Application ID		

regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Signature: Jacqui Invis	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 2/17/2022 1:59:23 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

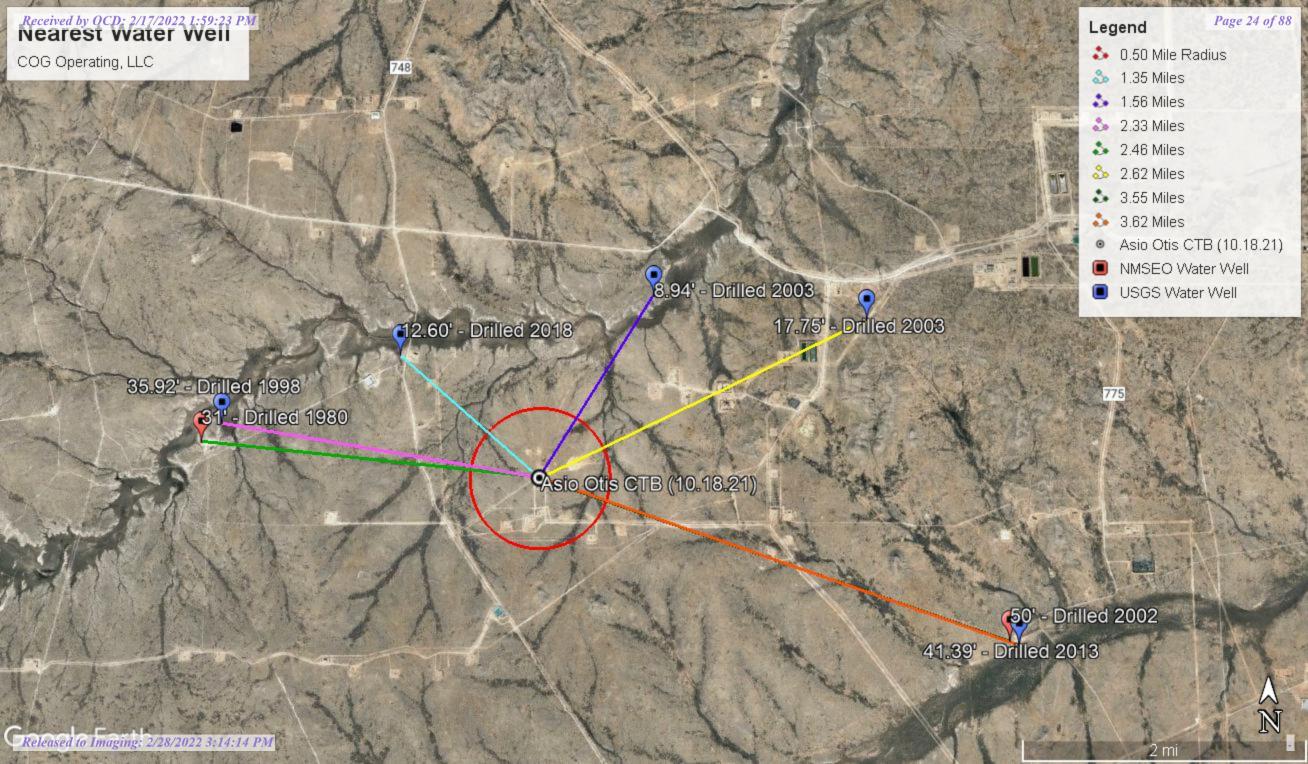
	Tuge 22 0j c
Incident ID	
District RP	
Facility ID	
Amplication ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation poin Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29. Proposed schedule for remediation (note if remediation plan times)	ts 12(C)(4) NMAC
<u>Deferral Requests Only:</u> Each of the following items must be con	ifirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:	Title:
Signature: Pacqui Trois	
email:	Telephone:
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature: Jennifer Nobui	Date:



Appendix B



Medium Karst

COG Operating, LLC

Legend

Asio Otis CTB (10.18.21)



MEDIUM

Asio Otis CTB (10.18.21)





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) (N

(NAD83 UTM in meters)

(In feet)

	POD Sub-		Q (Q Q							Depth	Depth '	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng	Х	Υ	Distance	-	Water C	
C 04269 POD1	CUB	ED	4	2 3	18	26S	27E	572620	3545176 🌕	94	105		
C 02218	CUB	ED	4	1 4	07	26S	27E	573039	3546725* 🌑	1684	35		
C 02438	CUB	ED	4	2 3	12	26S	26E	571015	3546705*	2210	30		
C 02219	CUB	ED	4	4 4	05	26S	27E	575033	3547948* 🌍	3768	35		
C 01887	С	ED	4	4 2	15	26S	26E	568614	3545497* 🌍	3953	53	31	22
C 02439	CUB	ED	2	4 2	15	26S	26E	568614	3545697* 🌍	3977	30		

Average Depth to Water: 31 feet

Minimum Depth: 31 feet

Maximum Depth: 31 feet

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 572548.81 Northing (Y): 3545113.72 Radius: 4023

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

C 02930

22 26S 27E 3543284*

Driller License:

1227

Driller Company:

B & H DRILLING

Driller Name:

09/06/2002

Drill Finish Date:

09/12/2002

Plug Date:

Log File Date:

Drill Start Date:

12/19/2002

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

120 GPM

Casing Size:

6.00

Depth Well:

100 feet

Depth Water:

50 feet

Water Bearing Stratifications:

Top Bottom Description

50

62 Sandstone/Gravel/Conglomerate

80

100 Limestone/Dolomite/Chalk

Casing Perforations:

Top Bottom

50 100

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.

1/18/22 3:39 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

C 01887

Q64 Q16 Q4 Sec Tws Rng

15 26S 26E 568614

Driller License:

817

Driller Company:

WEST, BILLY GEORGE

Driller Name:

GEORGE WEST

Drill Finish Date:

04/27/1980

Plug Date:

Shallow

Log File Date:

Drill Start Date:

03/26/1980 05/09/1980

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

12 GPM

Casing Size:

6.00

Depth Well:

53 feet

Depth Water:

31 feet

Water Bearing Stratifications:

Top Bottom Description

42

45 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top **Bottom**

40

53

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.

1/18/22 3:39 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320124104110601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320124104110601 26S.27E.22.43242

Eddy County, New Mexico
Latitude 32°01'21.8", Longitude 104°10'24.4" NAD83 Land-surface elevation 3,095 feet above NGVD29

The depth of the well is 56 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Other aquirers (312CSTL) local aquifer.

Output formats

Output formats
Table of data
<u>Tab-separated data</u>
Graph of data
Reselect period

Date \$ T	Γime ≎	? Water- level \$ date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring [‡] agency	? Source of measurement	? Water- level approval status
1987-10-13		D	62610		3082.58	NGVD29	3	S			А
1987-10-13		D	62611		3084.21	NAVD88	3	S			А
1987-10-13		D	72019	12.42			3	S			А
1992-11-04		D	62610		3076.22	NGVD29	1	S	USGS	S	А
1992-11-04		D	62611		3077.85	NAVD88	1	S	USGS	S	А
1992-11-04		D	72019	18.78			1	S	USGS	S	А
1992-11-18		D	62610		3076.52	NGVD29	1	S	USGS	S	А
1992-11-18		D	62611		3078.15	NAVD88	1	S	USGS	S	А
1992-11-18		D	72019	18.48			1	S	USGS	S	А
1998-01-13		D	62610		3070.48	NGVD29	1	S	USGS	S	А
1998-01-13		D	62611		3072.11	NAVD88	1	S	USGS	S	A
1998-01-13		D	72019	24.52			1	S	USGS	S	А
2003-01-29		D	62610		3064.65	NGVD29	1	S	USGS	S	А
2003-01-29		D	62611		3066.28	NAVD88	1	S	USGS	S	А
2003-01-29		D	72019	30.35			1	S	USGS	S	А
2013-01-09 21		m	62610		3053.61	NGVD29	3	S	USGS	S	А
2013-01-09 21		m	62611		3055.24	NAVD88	3	S	USGS	S	А
2013-01-09 21	1:20 UTC	m	72019	41.39			3	S	USGS	S	Α

Expla	nation

Section \$	Code \$	Description \$
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute

USA.gov

Section	Code \$	Description
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News News

Accessibility FOIA Privacy Policies and U.S. Department of the Interior | U.S. Geological Survey, Title: Groundwater for New Mexico: Water Levels FOIA Privacy Policies and Notices

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-10-27 11:12:25 EDT
0.3 0.24 nadww02



Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320244104161501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320244104161501 26S.26E.15.24444

Eddy County, New Mexico Latitude 32°02'44", Longitude 104°16'15" NAD27

Land-surface elevation 3,280 feet above NAVD88

The depth of the well is 53 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date \$	Time \$? Water- level \$ date- time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring [‡] agency	? Source of measurement	? Water- level approval status
1983-08-24		D	62610		3246.37	NGVD29	1	Z			А
1983-08-24		D	62611		3248.04	NAVD88	1	Z			А
1983-08-24		D	72019	31.96			1	Z			Α
1987-10-08		D	62610		3248.64	NGVD29	1	Z			Α
1987-10-08		D	62611		3250.31	NAVD88	1	Z			Α
1987-10-08		D	72019	29.69			1	Z			Α
1992-11-18		D	62610		3246.72	NGVD29	1	S			Α
1992-11-18		D	62611		3248.39	NAVD88	1	S			Α
1992-11-18		D	72019	31.61			1	S			Α
1998-01-08		D	62610		3242.41	NGVD29	1	S			Α
1998-01-08		D	62611		3244.08	NAVD88	1	S			Α
1998-01-08		D	72019	35.92			1	S			Α

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.

USA.gov

≎ Code ≎	Description \$
Z	Other.
	Not determined
	Not determined
А	Approved for publication Processing and review completed.
	Code \$

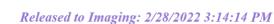
Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> Data Tips Explanation of terms
Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geologica

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2021-10-27 11:20:51 EDT 0.34 0.31 nadww01





0

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

O

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320323104112901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320323104112901 26S.27E.07.414444

Eddy County, New Mexico Latitude 32°03'23", Longitude 104°11'29" NAD27 Land-surface elevation 3,268 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring \$\frac{1}{2}\$ agency	? Source of measurement	? Water- level \$ approval status
1978-01-25		D	62610		3257.04	NGVD29	1	Z			А
1978-01-25		D	62611		3258.69	NAVD88	1	Z			А
1978-01-25		D	72019	9.31			1	Z			А
1983-01-25		D	62610		3258.77	NGVD29	3	Z			А
1983-01-25		D	62611		3260.42	NAVD88	3	Z			Α
1983-01-25		D	72019	7.58			3	Z			Α
1987-10-08		D	62610		3258.70	NGVD29	1	Z			Α
1987-10-08		D	62611		3260.35	NAVD88	1	Z			Α
1987-10-08		D	72019	7.65			1	Z			Α
1988-04-07		D	62610		3259.93	NGVD29	1	Z			А
1988-04-07		D	62611		3261.58	NAVD88	1	Z			А
1988-04-07		D	72019	6.42			1	Z			А
1992-11-18		D	62610		3257.57	NGVD29	1	S			А
1992-11-18		D	62611		3259.22	NAVD88	1	S			А
1992-11-18		D	72019	8.78			1	S			А
1998-01-13		D	62610		3252.60	NGVD29	1	S			А
1998-01-13		D	62611		3254.25	NAVD88	1	S			А
1998-01-13		D	72019	13.75			1	S			А
2003-01-28		D	62610		3248.60	NGVD29	1	S	USGS	S	А
2003-01-28		D	62611		3250.25	NAVD88	1	S	USGS	S	А
2003-01-28		D	72019	17.75			1	S	USGS	S	А

Explanation

Section

Code

Description

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	3	True value is above reported value due to local conditions
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site **Automated retrievals** <u>Help</u> Data Tips
Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-10-27 11:14:11 EDT
0.29 0.25 nadww02

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320320104145101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83

Land-surface elevation 3,230.90 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date \$	Time \$? Water-level \$ date- time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of measurement	? Measuring [‡] agency	? Source of measurement	? Water- level approval status
1978-01-25		D	62610		3217.55	NGVD29	1	Z			А
1978-01-25		D	62611		3219.22	NAVD88	1	Z			Α
1978-01-25		D	72019	13.35			1	Z			Α
1992-11-18		D	62610		3218.87	NGVD29	1	S			А
1992-11-18		D	62611		3220.54	NAVD88	1	S			А
1992-11-18		D	72019	12.03			1	S			Α
1998-01-13		D	62610		3215.24	NGVD29	1	S			Α
1998-01-13		D	62611		3216.91	NAVD88	1	S			Α
1998-01-13		D	72019	15.66			1	S			Α
2003-01-28		D	62610		3214.44	NGVD29	1	S	USGS	S	Α
2003-01-28		D	62611		3216.11	NAVD88	1	S	USGS	S	Α
2003-01-28		D	72019	16.46			1	S	USGS	S	Α
2013-01-09	22:10 UTC	m	62610		3213.80	NGVD29	1	S	USGS	S	Α
2013-01-09	22:10 UTC	m	62611		3215.47	NAVD88	1	S	USGS	S	А
2013-01-09	22:10 UTC	m	72019	17.10			1	S	USGS	S	Α
2018-02-15	22:14 UTC	m	62610		3218.30	NGVD29	1	S	USGS	S	Α
2018-02-15	22:14 UTC	m	62611		3219.97	NAVD88	1	S	USGS	S	А
2018-02-15	22:14 UTC	m	72019	12.60			1	S	USGS	S	Α

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet

USA.gov

Section \$	Code \$	Description
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey.

Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2021-10-27 11:21:45 EDT
0.35 0.31 nadww01



Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 320343104110201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83 Land-surface elevation 3,182.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date \$	Time \$? Water-level \$ date-time accuracy	? Parameter [‡] code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of reasurement	? Measuring [‡] agency	? Source of measurement	? Water- level \$ approval status
1978-01-03		D	62610		3164.52	NGVD29	1	Z			А
1978-01-03		D	62611		3166.18	NAVD88	1	Z			А
1978-01-03		D	72019	17.58			1	Z			А
1983-01-05		D	62610		3166.54	NGVD29	1	Z			Α
1983-01-05		D	62611		3168.20	NAVD88	1	Z			Α
1983-01-05		D	72019	15.56			1	Z			А
1987-10-08		D	62610		3167.72	NGVD29	1	Z			А
1987-10-08		D	62611		3169.38	NAVD88	1	Z			Α
1987-10-08		D	72019	14.38			1	Z			А
1992-11-04		D	62610		3165.85	NGVD29	1	S			А
1992-11-04		D	62611		3167.51	NAVD88	1	S			А
1992-11-04		D	72019	16.25			1	S			А
1998-01-13		D	62610		3165.45	NGVD29	1	S			Α
1998-01-13		D	62611		3167.11	NAVD88	1	S			А
1998-01-13		D	72019	16.65			1	S			Α
2003-01-28		D	62610		3164.88	NGVD29	1	S	USGS	S	А
2003-01-28		D	62611		3166.54	NAVD88	1	S	USGS	S	Α
2003-01-28		D	72019	17.22			1	S	USGS	S	А
2013-01-09		m	62610		3173.16	NGVD29	1	S	USGS	S	А
2013-01-09	21:45 UTC	m	62611		3174.82	NAVD88	1	S	USGS	S	А
2013-01-09	21:45 UTC	m	72019	8.94			1	S	USGS	S	А

Explanation

Section

USA.gov

Section \$	Code \$	Description \$
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	Α	Approved for publication Processing and review completed.

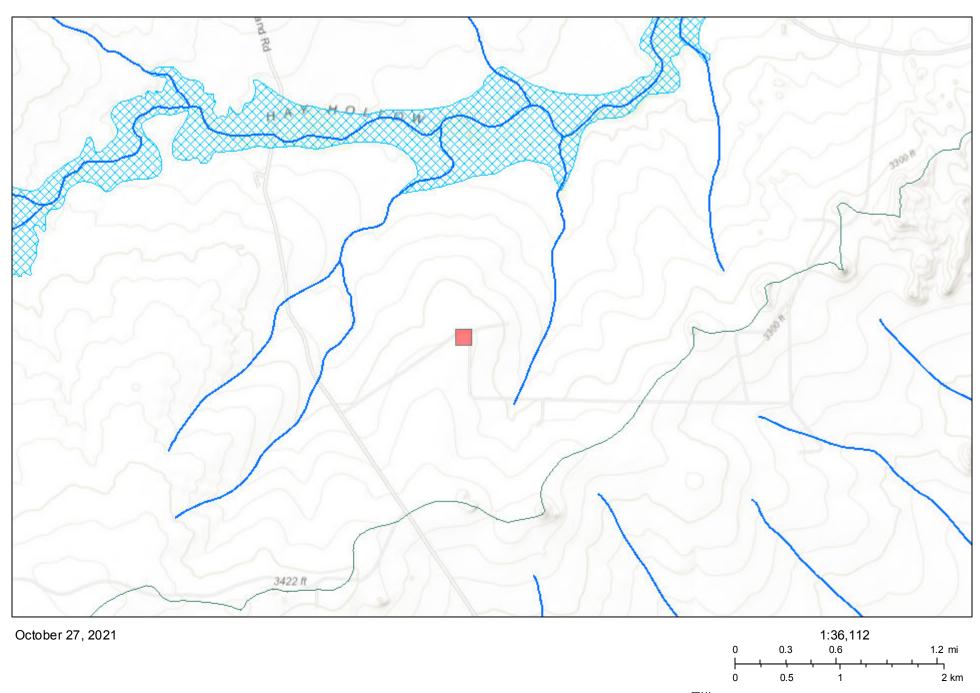
Questions about sites/data? Feedback on this web site
Automated retrievals
Help Data Tips Explanation of terms
Subscribe for system changes News

Accessibility FOIA Privacy U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2021-10-27 11:16:30 EDT

0.28 0.24 nadww02

New Mexico NFHL Data







Appendix C



December 10, 2021

MIKE CARMONA

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ASOI OTUS CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/08/21 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

A ... - b ... - d D. .. 711

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 1 (0-1') (H213547-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	< 0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	60000	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	14.5	10.0	12/10/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 1 (1') (H213547-02)

RTFY 8021R

RIEX 8051R	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Surrogate: 1-Chlorooctadecane

Celey D. Keene, Lab Director/Quality Manager

112 %

38.9-142



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 1 (2') (H213547-03)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
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	12/09/2021	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	12/10/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane 99.2 9		% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 214821 (10.18.21)

Applyzod By: 14

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 2 (0-1') (H213547-06)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	59200	16.0	12/09/2021	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	12/10/2021	ND	189	94.3	200	15.9	
DRO >C10-C28*	40.0	10.0	12/10/2021	ND	207	104	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 2 (1') (H213547-07)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.83	91.5	2.00	11.4	
Toluene*	<0.050	0.050	12/09/2021	ND	1.94	96.8	2.00	5.99	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.95	97.4	2.00	3.98	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.91	98.5	6.00	4.28	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	12/09/2021	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	12/09/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane 91.4%		% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.1	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 214821 (10.18.21) Sample Received By:

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 2 (2') (H213547-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-B	CI-B mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	93.7 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.8 9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 2 (3') (H213547-09)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/09/2021	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	12/09/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	98.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.5	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 2 (4') (H213547-10)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
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	12/09/2021	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	12/09/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
urrogate: 1-Chlorooctane 97.2 % 44.3-		% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 3 (0-1') (H213547-11)

BTEX 8021B

	5.			. , .,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128000	16.0	12/09/2021	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	12/10/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.3	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 3 (1') (H213547-12)

BTEX 8021B

	9,	9	7	7: : : : 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68		
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45		
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27		
Total BTEX	<0.300	0.300	12/09/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 69.9-14	0							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	12/09/2021	ND	432	108	400	3.77		
TPH 8015M	mg	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530		
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND						
Surrogate: 1-Chlorooctane	88.7	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	87.2	% 38.9-14	2							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

12/08/2021

Reported: 12/10/2021

Project Name: ASOI OTUS CTB Project Number: 214821 (10.18.21) COG - EDDY COUNTY, NM Project Location:

Sampling Date: 12/07/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: T - 3 (2') (H213547-13)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	88.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 3 (3') (H213547-14)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68	
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 3 (4') (H213547-15)

BTEX 8021B

	9,	9	7	7: : : : 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68		
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84		
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45		
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27		
Total BTEX	<0.300	0.300	12/09/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0							
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/09/2021	ND	432	108	400	3.77		
TPH 8015M	mg,	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530		
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND						
Surrogate: 1-Chlorooctane	88.4	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	88.1	% 38.9-14	2							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (0-1') (H213547-16)

BTEX 8021B

	<u> </u>			· , ·								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68				
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84				
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45				
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27				
Total BTEX	<0.300	0.300	12/09/2021	ND								
Surrogate: 4-Bromofluorobenzene (PID	93.8 % 69.9-14)									
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	12300	16.0	12/09/2021	ND	432	108	400	3.77				
TPH 8015M	mg	/kg	Analyze	d By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530				
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12				
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND								
Surrogate: 1-Chlorooctane	88.9	% 44.3-13	3									
Surrogate: 1-Chlorooctadecane	87.9	% 38.9-14	2									

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (1') (H213547-17)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Benzene*	<0.050	0.050	12/09/2021	ND	2.08	104	2.00	2.68				
Toluene*	<0.050	0.050	12/09/2021	ND	2.06	103	2.00	3.84				
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	2.03	101	2.00	4.45				
Total Xylenes*	<0.150	0.150	12/09/2021	ND	6.19	103	6.00	5.27				
Total BTEX	<0.300	0.300	12/09/2021	ND								
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0									
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Chloride	28000	16.0	12/09/2021	ND	432	108	400 3.	3.77				
TPH 8015M	mg,	/kg	Analyze	ed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530				
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12				
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND								
Surrogate: 1-Chlorooctane	90.3	% 44.3-13	3									
Surrogate: 1-Chlorooctadecane	87.5	% 38.9-14	2									

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Frence



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (2') (H213547-18)

BTEX 8021B

	9,	9	7	7: : : : 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53		
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63		
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86		
Total BTEX	<0.300	0.300	12/09/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					Qualifier	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7060	16.0	12/09/2021	ND	432	108	400	3.77		
TPH 8015M	mg	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530		
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND						
Surrogate: 1-Chlorooctane	87.1	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	87.9	% 38.9-14	2							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Project Number: Tamara Oldaker 214821 (10.18.21) Sample Received By:

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 4 (3') (H213547-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	12/09/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.1	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (4') (H213547-20)

BTEX 8021B

	9,	9	7	7: : : : 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53		
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63		
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86		
Total BTEX	<0.300	0.300	12/09/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					Qualifier	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	12/09/2021	ND	432	108	400	3.77		
TPH 8015M	mg	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530		
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND						
Surrogate: 1-Chlorooctane	91.2	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	92.4	% 38.9-14	2							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (5') (H213547-21)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53		
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63		
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49		
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86		
Total BTEX	<0.300	0.300	12/09/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/09/2021	ND	416	104	400	3.77	QM-07	
TPH 8015M	mg,	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	183	91.4	200	0.530		
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	1.12		
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND						
Surrogate: 1-Chlorooctane	87.4	% 44.3-13	3							
Surrogate: 1-Chlorooctadecane	89.2	% 38.9-14	2							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (6') (H213547-22)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	a By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53			
Toluene*	< 0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63			
Ethylbenzene*	< 0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49			
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86			
Total BTEX	<0.300	0.300	12/09/2021	ND							
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	32.0	16.0	12/09/2021	ND	416	104	400	3.77			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	215	108	200	1.63			
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	0.149			
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND							
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3								
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2								

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 4 (7') (H213547-23)

В	TEX 8021B	mg/	kg	Analyze	d By: MS/					
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	
R	enzene*	<0.050	0.050	12/00/2021	ND	1 94	92.2	2.00	5 53	

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	< 0.300	0.300	12/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID 99.2 % 69.9-140

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

GRO C6-C10* <10.0 10.0 12/09/2021 ND 215 108 200 1.63 DRO >C10-C28* <10.0 10.0 12/09/2021 ND 207 104 200 0.149 EXT DRO >C28-C36 <10.0 10.0 12/09/2021 ND

Surrogate: 1-Chlorooctane 91.1 % 44.3-133 Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 214821 (10.18.21) Sample Received By:

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 5 (0-1') (H213547-24)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	95200	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	89.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.6	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 5 (1') (H213547-25)

BTEX 8021B

DILX GOZID	ıııg,	mg/ kg		Analyzed by: 115/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.0	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

.

 Received:
 12/08/2021
 Sampling Date:
 12/07/2021

 Reported:
 12/10/2021
 Sampling Type:
 Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact

Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 5 (2') (H213547-26)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	88.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.2	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 5 (3') (H213547-27)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/09/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/09/2021	ND					
Surrogate: 1-Chlorooctane	86.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 5 (4') (H213547-28)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	< 0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
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	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (0-1') (H213547-29)

BTEX 8021B

	9/	9	71.14.1, = 0	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48800	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.2	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (1') (H213547-30)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
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	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	89.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	87.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (2') (H213547-31)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
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	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.9	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (3') (H213547-32)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.5	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (4') (H213547-33)

BTEX 8021B

	<u> </u>			· , ·					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.3	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 6 (5') (H213547-34)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	87.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.8	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 214821 (10.18.21) Sample Received By:

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 6 (6') (H213547-35)

BTEX 8021B	mg/	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.3	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 214821 (10.18.21)

COG - EDDY COUNTY, NM Project Location:

Sample ID: T - 7 (0-1') (H213547-36)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/09/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/09/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/09/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/09/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72800	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	28.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	89.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	90.3	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 7 (1') (H213547-37)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.84	92.2	2.00	5.53	
Toluene*	<0.050	0.050	12/10/2021	ND	1.85	92.4	2.00	7.63	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.85	92.3	2.00	7.49	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.71	95.1	6.00	6.86	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	86.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.7	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 7 (2') (H213547-38)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	QR-03
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	QR-03
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.0	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 7 (3') (H213547-39)

BTEX 8021B

	<u> </u>			. , .,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.4	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 7 (4') (H213547-40)

BTEX 8021B

	9,	9	7	7: : : : 0					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/09/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	87.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	84.1	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL MIKE CARMONA 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 12/08/2021 Sampling Date: 12/07/2021

Reported: 12/10/2021 Sampling Type: Soil

Project Name: ASOI OTUS CTB Sampling Condition: Cool & Intact
Project Number: 214821 (10.18.21) Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location: COG - EDDY COUNTY, NM

Sample ID: T - 7 (5') (H213547-41)

BTEX 8021B

	<u> </u>			. , .,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2021	ND	1.88	94.0	2.00	7.08	
Toluene*	<0.050	0.050	12/10/2021	ND	1.84	91.9	2.00	6.52	
Ethylbenzene*	<0.050	0.050	12/10/2021	ND	1.81	90.7	2.00	6.41	
Total Xylenes*	<0.150	0.150	12/10/2021	ND	5.57	92.8	6.00	5.93	
Total BTEX	<0.300	0.300	12/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/09/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2021	ND	215	108	200	1.63	
DRO >C10-C28*	<10.0	10.0	12/10/2021	ND	207	104	200	0.149	
EXT DRO >C28-C36	<10.0	10.0	12/10/2021	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.3	% 38.9-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

QR-04



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

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

The RPD for the BS/BSD was outside of historical limits.

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

Chain of Custody

City, State ZIP:

Midland, TX 79706 701 Tradewinds BLVD NTG Environmental Mike Carmona

City, State ZIP:

Loving, NM 88256 15 W Loving Rd Company Name: Bill to: (if different)

COG

State of Project:

Reporting:Level III Level III PST/UST

RRP

☐ Level IV ☐

Program: UST/PST

PRP

Brownfields

RRC

uperfund

Work Order Comments

으 5

Jacqui Harris

Company Name Project Manager:

Revised Date 05012020 Rev. 2020.1					o									
					4 2	1420	2-8-21	12-8	SUR	Model	maka,	Jane		Men
e) Date/Time	Received by: (Signature)	Receive	ed by: (Signature)	Relinquished by:	Re	ime	Date/Time		9)	Received by: (Signature	Received		(Signature)	Relinquished by:
													Additoinal Comments:	Additoir
					×	×	×	_	G	×		12/7/2021)	T-2 (4')
					×	×	×	_	G	×		12/7/2021	3	T-2 (3')
					×	×	×	_	G	×		12/7/2021)	T-2 (2')
					×	×	×	_	G	×		12/7/2021)	T-2 (1')
					×	×	×	1	G	×		12/7/2021	1)	T-2 (0-1')
					×	×	×	1	G	×		12/7/2021)	T-1 (4')
					×	×	×	1	G	×		12/7/2021	3	T-1 (3')
					×	×	×	1	G	×		12/7/2021)	T-1 (2')
					×	×	×	1	G	×		12/7/2021)	T-1 (1')
				_	×	×	×	1	G	×		12/7/2021	1)	T-1 (0-1')
Sample Comments						TPI		# of Cont	Water Comp	Soil	Time	Date	ification	Sample Identification
NaOH+Ascorbic Acid: SAPC	Z					H 801			2.30	Corrected Temperature:	Corrected			Total Containers:
Zn Acetate+NaOH: Zn	Zı			_	Cł	_	В		3.80	Temperature Reading:	Temperatu	No NIA	Yes	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃				_	nlori	_	TEX	P	-0.50	Factor:	Correction Factor:	No NIA	Yes	Cooler Custody Seals:
NaHSO ₄ : NABIS	OLD Z			_	de 4	_	802	araı	113	eter ID:	Thermometer ID:	S) No	Yes	Received Intact:
H ₃ PO ₄ : HP	Ŧ			1	500	DRC	18	nete	Yes No	Wet Ice:	Yes No	Temp Blank:		SAMPLE RECEIPT
H ₂ S0 ₄ : H ₂ NaOH: Na	Æ) + N		rs	lab, if received by 4:30pm	lab, if receiv				PO #:
HCL: HC HNO ₃ : HN	I					IRO			ay received by the	TAT starts the day received by the		ES		Sampler's Name:
Cool: Cool MeOH: Me	C)			72 Hrs	Due Date:		Eddy Co, NM	Ed	Project Location
None: NO DI Water: H ₂ O	Z							Code	√ Rush	Routine		214821		Project Number:
Preservative Codes			NALYSIS REQUEST	ANALYS					Turn Around	Turn /	21)	Asio Otus CTB (10.18.21)	Asio Otus	Project Name:
Other:	ADaPT □	Deliverables: EDD L	Delive			om	hillips.c	conocop	Email: jacqui.harris@conocophillips.com	Email:			432-813-0263	Phone:
Г		Coporting-Ecoco ii C			002	LOVING, WINI 66256	LOVING		City, State ZIP.	-		700	Midiand, IX /9/06	City, State ZIF.

Work Order No:
H213547



City, State ZIP:

Midland, TX 79706 701 Tradewinds BLVD NTG Environmental

City, State ZIP:

Company Name: Bill to: (if different)

COG

Jacqui Harris

15 W Loving Rd Loving, NM 88256

Company Name:

Project Number: Project Location Project Location Sampler's Name: PO #: SAMPLE RECEIPT Received Intact:	Asio Otus C 214 Eddy Eddy Temp B	0.18.21) M Yes (10)	Turn Routine Due Date: TAT starts the lab, if rece.	Turn Around Routine Rush Provide Tall Rush Routine Rush Routine Rush 72 Hrs TAT starts the day received by the lab, if received by 4:30pm Wet loe: Yes No-	rameters Constant	30218	D + DRO + MRO)	e 4500
Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers:	Yes No NIA		Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:	9:30-		BTEX 802		8015M (GRO +
Sample Identification	cation Date	Time	Soil	Water Comp	np Cont			TPH
T-3 (0-1')	12/7/2021	021	××	G	1 1	××		××
	12/7/2021	021	×	G	1	×		×
/ 4 T-3 (3')	12/7/2021	021	×	6		×		×
T-4 (0-1')	12/7/2021	021	××	6 6		××		×
/7 T-4 (1')	12/7/2021	021	×	G	1	×		×
T-4 (2')	12/7/2021	021	×	G	1	×		×
7-4 (3')	12/7/2021	021	×	G	1	×		×
20 T-4 (4')	12/7/2021	021	×	G	1	×		×
Additoina	Additoinal Comments:						1 1	
							11 11	
Relinquished by: (Signature)	Signature)	Receiv	Received by: (Signature)	іге)		Date		Date/Time
isku		UMAKA	What	Service	12	28.2	man and	1 14
Ch								

	Pa	1ge2	Page2 of5
Work C	Work Order Comments	ents	
Program: UST/PST □PRP □Brownfields □RRC □uperfund □	Brownfields	RRC	□uperfund □
State of Project:			
Reporting:Level III ☐ Level III ☐ BST/UST ☐ TRRP ☐ Level IV ☐	□PST/UST	TRRP	☐ Level IV ☐
Deliverables: EDD	ADaPT	Other:	

Work Order No: H213547

Chain of Custody

Page 43 of 46



	1 680	Relinquisned by Colginature		2/.	202		.59. T-6 (1')	.23 T-6 (0-1)	2	100			7-5 (0-1)	1-4 (7)	7-4 (6')	71 T-4 (5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIVE	70#	Sampler's Name:	Project Location	Project Number:	Project Name:			e ZIP:			Project Manager: M		(SANS		Po)	85
	1	oignature)	(Cionatura)			Additoinal Comments:) 12/7/2021	12/7/2021) 12/7/2021	12/7/2021	12/7/2021	12/7/2021		12/7/2021	12/7/2021	12/7/2021	fication Date		Yes No N/A	Yes No	es	lemp b		E-0	Eddy Co, NM	214021	CAASOA (10.10.E.	Asis Ohis CTR (10	432-813-0263	Midland, TX 79706	701 Tradewinds BLVD	NTG Environmental	Mike Carmona		TWOMMENTAL	C	7		
Collins !	11/1/1/1/1	Necessa	Received hy:				021	021	021	021	021	021	021	021	021	021	Time	Corrected	_			The Rail	Von No				, 10.21/	18 21)					9						
1000	MAKA		d by: (Signature)				×	×	×	×	×	×	×	×	×	×	Soil	Corrected Lemperature.	lemperature Reading:	Factor.	ier ID.	And the	Wet Ine	lab, if received by 4:30pm	Due Date:		Routine	Turn Around	Email: ja	Ci	Ac	C	D	0					
	201		e)														Water Comp	Grah	ورز الم	286	2000	No.	NO SARY	d by 4:30pm	v received by the	<u> </u>	Rush	round	jacqui.harris@conocophillips.com	City, State ZIP:	Address:	Company Name:	DIII (U. (II dilibiralil)	to: (it different)					C
	12-8-81		D				1		_	-	_	-	_	_	_	+	Cont	* 24					eter	s		Code	Pres.		nocophillip	ь	15	CC	000	<u>v</u>					Chain of Custody
	1	7	Date/Time				×	+	+	+	+	+	+	+	+	+	+	трн 8	015			021	}	+ M	RO)	+	_		os.com	Loving, NM 88256	15 W Loving Rd	COG	oqui i idii	Jacqui Harris					of Cu
	7	in,					>	< >	×	×	×	×	×	×	×	×				Chlo	orid	e 45	000			-				88256	g Rd	2		<i>y</i>					potsr
			Relinqui						+					-		Ė							•	2				,											Y
			shed by:					+	+	+	+	+	+	+	+	+	_			_	_					+		NALYSI											
			Relinquished by: (Signature)					+	+	+	1	+	+	+	+	+												ANALYSIS REQUEST		2 2	0 9	S 1							
+		-	e)				$\ \cdot\ $	+	+	+	+	+	+	+	+	+	+				_							TS	Deliverables. Loo	spormiy.co	Bonorting: evel PST/UST	State of Project:	ogram. II						
			Receiv					+	1	+	1	1	+	1	+	+	-												100			ject:	ST/PST				Work		
			Received by: (Signature)				$\ \cdot\ $	+	+	+	+	+		+	+								1								evel III	2	DRP	Work Order Comments			Work Order No:	-	
			ignature)					1	1	1	+	+	1	+	Ŧ	\perp			Na	Zn		Na	H ₃ F	H ₂ S	HC	Coc	Nor			ADaPT	SU/IS4		rownfiel	der Com	_		No.		
	+																Campi	Campl	OH+Ascor	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO4: NABIS	H ₃ PO ₄ : HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Preserv			T TRRP	Ţ	PRP Brownfields RRC	ments	Page			せん	6
			Date/Time															Sample Comments	NaOH+Ascorbic Acid: SAPC	NaOH: Zn	SO ₃	BIS		NaOH: Na	HNO ₃ : HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes			P Level IV		C uperfund		3 of5			1428/84	
•				<u>l</u>														(2)																		Page	. 11	of	40

Page 44 of 46

City, State ZIP:

Company Name: roject Manager:

701 Tradewinds BLVD NTG Environmental

Address: City, State ZIP:

Bill to: (if different) Company Name

COG

Jacqui Harris

15 W Loving Rd Loving, NM 88256

Deliverables: EDD

ADaPT

Reporting:Level III Level III PST/UST

RRP Other:

☐ Level IV ☐

State of Project:

Program: UST/PST PRP Brownfields RRC

uperfund

Work Order Comments

of 5

Midland, TX 79706

Mike Carmona

Chain of Custody

Project Name	Asia Ohis CTB (40.48	24	Lilidii	The Administration of	i@collocol		S.COIII					200					I			2230	
Project Number:	214821	,	Routine	ne 🗸 Rush	Pres.									_	-	-	\dashv		N _O	None: NO	NO DI Water: H ₂ O
Project Location	Eddy Co, NM		Due Date:	72 Hrs										_	_	-	-		င္ပ	Cool: Cool	MeOH: Me
Sampler's Name:	ES		TAT starts the	day received by	the		RO)					_		_	_	_	_	_	H I	HCL: HC	HNO ₃ : HN
PO #:			lab, if recei	lab, if received by 4:30pm			+ M							_		_	_		H	H ₂ S0 ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank;	Yes No	Wet loe:	ON SEX	eter	В	ORO	00	<u> </u>				_	_	_	_		2	<u>于</u> ,	H,PO.: HP	* (1)
Received Intact:	Yes No	Thermometer ID:	eter ID:	1/2		8021	0 + 1	e 45							- 1	-	_	LD		NaHSO.: NABIS	is.
Cooler Custody Seals:	0 1	Correction Factor:	n Factor:	25.0-	Pa	EX	GR	orid							_		_	но		Na ₂ S ₂ O ₃ : NaSO ₃	O.
Sample Custody Seals:	Yes No NIA	Temperat	Temperature Reading:	28.6		В	5M (Ch			_			_	_	_	_		Zn	Zn Acetate+NaOH: Zn	aOH: Zn
Total Containers:		Corrected	Corrected Temperature:	20.00			801								_	_	_	_	Na	OH+Ascorbi	NaOH+Ascorbic Acid: SAPC
Sample Identification	tion Date	Time	Soil		Grab/ # of Comp Cont		ТРН													Sample	Sample Comments
3/ T-6 (2')	12/7/2021		×		_	×	×	×				4	4	+	\dashv		\dashv	\dashv			
32 T-6 (3')	12/7/2021		×		1	×	×	×		1		4	4	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv		
33 T-6 (4')	12/7/2021		×		1	×	×	×					4	+	\dashv	\dashv	+	+	+		
T-6 (5')	12/7/2021		×		_	×	×	×				4	\dashv	\dashv	\dashv	+	-	\dashv	\dashv		
T-6 (6')	12/7/2021		×		1	×	×	×					\dashv	\dashv		+	+	+	\dashv		
T-7 (0-1')	12/7/2021		×		1	×	×	×					4	\dashv	+	+	+	+	+		
T-7 (1')	12/7/2021		×		1	×	×	×				_	-	\dashv	-	+	+	+	\dashv		
38 1-7 (2')	12/7/2021		×		1	×	×	×						-	-						
T-7 (3')	12/7/2021		×		1	×	×	×						_	_	_					
T-7 (4')	12/7/2021		×		_	×	×	×					_	_		\vdash	\vdash	\vdash			
Additoinal Comments:	Comments:																				
Relinquished by: (Signature)	nature)	Receive	Received by: (Signature)	re) /		Date	Date/Time		Re	Relinquishe		r (Sign	d by: (Signature)		Re	ceive	d by: (Received by: (Signature)	ture)		Date/Time
- AND		Make	WAL	West.	12	2-8-21	1	600	2												
3	(,						4	š											
5									o					_							
																				Revised [Revised Date 05012020 Rev. 2020.1

Work Order No: _

Page 45 of 46

Chain of Custody



City, State ZIP:

701 Tradewinds BLVD Midland, TX 79706

City, State ZIP:

15 W Loving Rd Loving, NM 88256

Reporting:Level III Level III PST/UST

TRRP

☐ Level IV ☐

State of Project:

Program: UST/PST ☐PRP ☐Brownfields ☐RRC

uperfund

Bill to: (if different)

Company Name:

cog

Jacqui Harris

Company Name:

NTG Environmental

	on C) MM	Relinquished by: (Signature)		number of the second	Addito		4						T-7 (5')	cample identification	Sample Iden	Total Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #.	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:
	9		: (Signature)			inal Comments								5)	milication	tification		ıls: Yes	s: Yes	Yes				Ec		Asio Otu	432-813-0263
		MINI	1			•	ı							12/7/2021	Date	Dato		No (N/A)	No (N/A)	No	Temp Blank:		ES	Eddy Co, NM	214821	Asio Otus CTB (10.18.21)	
		UNA	Received													Timo	Corrected	Temperatu	Correction Factor:	Thermometer ID:	Yes (No					21)	
		anas	Received by: (Signature)									,,		×	SOII	Soil	Corrected Temperature:		Factor: Tola	iter ID:	Wet Ice:	lab, if rece	TAT starts the	Due Date:	Routine	Turn	Email:
		My	e)												vvater Comp	Grab/	3.30	38.80	CX-0.5	811	Yes No	lab, if received by 4:30pm	TAT starts the day received by the	72 Hrs	√ Rush	Turn Around	Email: jacqui.harris@conocophillips.com
	\dagger	2.0.1					_							_		b/ # of			Pa	ıran	nete		ne e		Pres. Code		(Conocop
		16.8	Date/Time											×		0288		В	ΓEX	802	1B						hillips.c
		142	me											×		TPH	801	_	_	_	-	+ M	RO)				om
0	4 0	20	7				_			\vdash	-	\vdash	\vdash	×				Ch	lorio	,	-						
			Relinqui							\vdash	\vdash		\vdash							9	w.'						
			Relinquished by: (Signature)																		Ÿ.					ANAL	
			y: (Sign																							YSIS F	
			nature)				_			-			+	+				_	_			_	_	,		ANALYSIS REQUEST	Deli
r	Ť	T																								ίΤ	Deliverables: EDD
			Receiv																								S: EDD
			ed by:				_						+	\perp						_	T ₁						
			Received by: (Signature)				_						+	+				_	но	LD			_				ADa
		L	ture)												Samp	,	NaOH+Asc	Zn Acetate+NaOH: Zn			H,PO,: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Prese	ADaPT O
			Date/Time												Sample Comments		NaOH+Ascorbic Acid: SAPC	NaOH: Zn	aSO ₃	ABIS		NaOH: Na	HNO ₃ : HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes	Other:

		<
Work Order Comments		Work Order No:
mments	Page_	110
	5	X
	of5	0
	5	-
	JI .	

Page 46 of 46

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

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

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

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 82433

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	82433
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. In Closure Report, documentation of liner inspection and photos needs to be included as well as 2 day business notification of inspection. In location T-2 at 5ft, if bottom sample is >600 mg/kg chloride, please go deeper. Composite sidewall and bottom hole samples will be collected every 200 square feet. Please note depth to groundwater was not adequately assessed. It is a requirement to assess groundwater to 0.5 miles from the site. Since you are using the most stringent criteria it is acceptable in this report. Please submit Closure Report to the OCD portal by May 31, 2022.	2/28/2022