

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	NRM2026949931
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party CHISHOLM ENERGY OPERATING, LLC	OGRID 372137
Contact Name TIM GREEN	Contact Telephone 432-413-9747
Contact email tgreen@chisholmenergy.com	Incident # (assigned by OCD)
Contact mailing address 801 CHERRY STREET, SUITE 1200-UNIT 20, FORT WORTH, TX 76102	

Location of Release Source

Latitude 32.326942 Longitude -104.328231
(NAD 83 in decimal degrees to 5 decimal places)

Site Name OCOTILLO 6-31 STATE COM WCB 2H	Site Type WELL SITE LOCATION
Date Release Discovered 09/14/2020	API# (if applicable) 30-015-44835

Unit Letter	Section	Township	Range	County
P	6	23S	26E	EDDY

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 13	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

DUMP VALVE BLOWOUT

LENGTH OF SPILL IS 30' x 30' x 2" = 150 cuft : @ 50% porosity = 75 cuft = 13 bbls

State of New Mexico
Oil Conservation Division

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: JENNIFER ELROD	Title: SR. REGULATORY ANALYST
Signature: <u>Jennifer Elrod</u>	Date: 09/22/2020
email: jelrod@chisholmenergy.com	Telephone: 817-953-3728
<u>OCD Only</u>	
Received by: Ramona Marcus	Date: 9/25/2020

Incident ID	nRM2026949931
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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Rebecca Haskell Title: Sr. Project Manager
Signature: Rebecca Haskell Date: 8/7/23
email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Shelly Wells Date: 8/8/2023

Incident ID	nRM2026949931
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Remediation Plan

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

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

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

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

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

Printed Name: Rebecca Haskell Title: Sr. Project Manager
Signature: Rebecca Haskell Date: 8/7/23
email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Shelly Wells Date: 8/8/2023

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

Signature: Scott Rodgers Date: 02/14/2024

Incident ID	nRM2026949931
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Rebecca Haskell Title: Sr. Project Manager
Signature: Rebecca Haskell Date: 8/7/23
email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Shelly Wells Date: 8/8/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



701 Tradewinds Blvd
Midland, Texas 79707
Tel. 432-766-1918
www.ntgenvironmental.com

August 7, 2023

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

**Re: Site Characterization and Deferral/Closure Request
Ocotillo 6-31 State Com WCB 2H
Earthstone Operating, LLC
Site Location: Unit P, S6, T23S, R26E
(Lat 32.326942°, Long -104.328231°)
Eddy County, New Mexico
Incident ID: nRM2026949931**

1. Introduction

On behalf of Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Deferral/Closure Report for the NMOCD District 2 Office in Artesia, New Mexico for documentation of site assessment, remedial action activities, and analysis at the Ocotillo 6-31 State Com WCB 2H (Site). The Site is located within Unit Letter P, Section 23 of Township 23 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.326942° N latitude and -104.328231° W longitude. The release occurred on land owned by the State of New Mexico. Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

2. Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on September 14, 2020, the result of a dump valve blowout. Approximately thirteen (13) barrels (bbls) of produced water were released, of which two (2) bbls were recovered, which resulted in an approximate net loss of eleven (11) bbls of produced water. Upon discovery, the well was shut-in, and area secured with free liquids removed via a vacuum truck. The release footprint is shown on Figure 3. The Release Notification Site Assessment/Characterization, and Closure/Deferral portions of Form C-141 for incident number nRM2026949931 are attached to the front of this report.

3. Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known depth to groundwater sources and or features within a ½-mile radius of the location. No other receptors (water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) are located within each specific boundary or distance from the Site.

Mr. Mike Bratcher
 July 14, 2023
 Page 2 of 4

According to the Karst map the site is located within a medium Karst area. The site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is provided in Appendix A.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Medium Karst	Unknown

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Soil Delineation Activities and Analytical Results

On April 13 and 14, 2023, NTGE was onsite to conduct an initial delineation assessment whereby five (5) vertical sample points (V-1 through V-5) and nine (9) horizontal sample points (H-1 through H-9) were installed to delineate the area. The samples were collected from depths ranging from zero (0) to a maximum of three and a half (3.5) feet (ft) below ground surface (bgs) with a geotechnical hand auger and submitted to Cardinal Laboratories (Cardinal) of Hobbs, New Mexico for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015 modified, and chloride by EPA Method SM4500Cl-B. Analysis indicated that all vertical samples and H-9 were above the NMAC Table 1 standards for chlorides, while TPH exceeded the Table 1 standards for all samples at V-1, V-2, V-3 up to 2.5 ft bgs, V-4 up to 6", H-3, H-5, and H-9. Further site delineation was performed on April 21, 2023, whereby NTGE installed eight (8) trench (TP-1 through TP-8) within the release footprint. The trenches were installed with a backhoe and extended from the surface to a maximum depth of four and half (4.5) ft bgs. Samples were collected at one-foot intervals beginning at surface to six (6) inches bgs and submitted to the lab for analysis. Analytical results indicated the site was delineated to within NMAC Table 1 standards. Figure 3 depicts the initial delineation sample locations, with analytical results provided on Table 1, Summary of Soil Analytical Data, Laboratory reports are included in Appendix D.

Mr. Mike Bratcher
July 14, 2023
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5. Remedial Action Activities and Confirmation Sampling

Based on the initial assessment results, Standard Safety and Supply (Standard), proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. All samples were collected based on one (1) composite sample per 200 square feet (ft²) of surface area for both bottom and sidewalls and submitted to Cardinal Labs of Hobbs, New Mexico for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, or chlorides by EPA Method SM4500Cl-B.

Upon completion of initial excavation activities, NTGE was on site May 25, 2023, to collect thirty-five (35) base composite samples (CS-1 through CS-35) and fourteen (14) sidewall composite samples (SW-1 through SW-14) from six (6) inches to three (3) ft bgs and submit to the lab for analysis. Analytical results indicated that thirteen (13) (CS-1 through C-3, CS-5, CS-6, CS-10, CS-11, CS-13 through CS-15, CS-20 through CS-22) of the base samples and five (5) of the sidewall samples (SW-2, SW-3, SW-8, SW-10, and SW-20) exhibited either chloride or TPH concentrations above the Table 1 Closure Criteria. Based on the analytical results, NTGE and Standard further excavated the area.

On June 9, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby fifteen (15) composite bottom hole confirmation sample (CS-1A through CS-3A, CS-5A, CS-6A, CS-10A, CS-11A, CS-13A through CS-15A, CS-20A through CS-22A, CS-36 and CS37) and nine (9) sidewall samples (SW-1A through SW-3A, SW-5A, SW-8A, SW-12A, SW-13A, SW-21, and SW-22) along with three (3) deferral samples (DH-1 through DH-3) were collected and submitted for analysis. All sample analysis concentrations were below Table 1 Closure Criteria with the exception of chlorides in soil sample CS-22A with a concentration of 784 milligrams per kilogram (mg/Kg).

After further excavation, on June 20, 2023, NTGE returned to the site to collect two (2) base samples (CS-22B and CS-38), and four (4) wall composite sample (SW-15A, SW-23, SW-24, and SW-25). The samples were collected and submitted to the laboratory for analysis. All sample analytical concentration results were below the Table 1 Closure Criteria. See Table 1 for analytical results and Figure 4 for confirmation sampling locations. Laboratory Analytical Reports are provided in Appendix D. A photographic log is provided as Appendix B and Confirmation Sampling Notifications are provided as Appendix C.

6. Soils Disposition and Backfill Activities

Between May 15 and June 9, 2023, approximately 613.64 tons of impacted material was transported offsite for disposal at Lea Land, LLC located in Carlsbad, New Mexico. Upon completion of the excavation, the site was backfilled with like-sourced materials and brought up to surface grade. Manifests are available upon request and aren't included in this report due to the size of the file.

7. Closure and Deferral Request

Based on the assessment, remediation efforts, and requisite confirmation sampling, the Site is in compliance with NMOCD regulatory standards with the exception of the area SW-

Mr. Mike Bratcher
July 14, 2023
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10 located adjacent to an onsite separator. Further remediation of the area around the separator was not feasible due to tight quarters and possible destabilizing of the equipment. As such, an area measuring approximately five (5) ft by five (5) ft or twenty-five (25) ft² was left in-situ. Deferral samples DS-1, DS-2, and DS-3 were placed within the onsite above ground pipelines to verify the soils have not been impacted. All these samples were below NMOCD Table 1 standards. Based on the supporting documentation provided in this report, NTGE, on behalf of Earthstone respectfully requests closure for nRM2026949931 with deferral of soils left in-situ above NMOCD standards near soil sample SW-10, until time of abandonment or upgrade of equipment allows for accessibility to the area. The Release Notification, Site Assessment/Characterization, and Closure portion of the NMOCD form C-141 are included at the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-685-3898.

Sincerely,
NTG Environmental

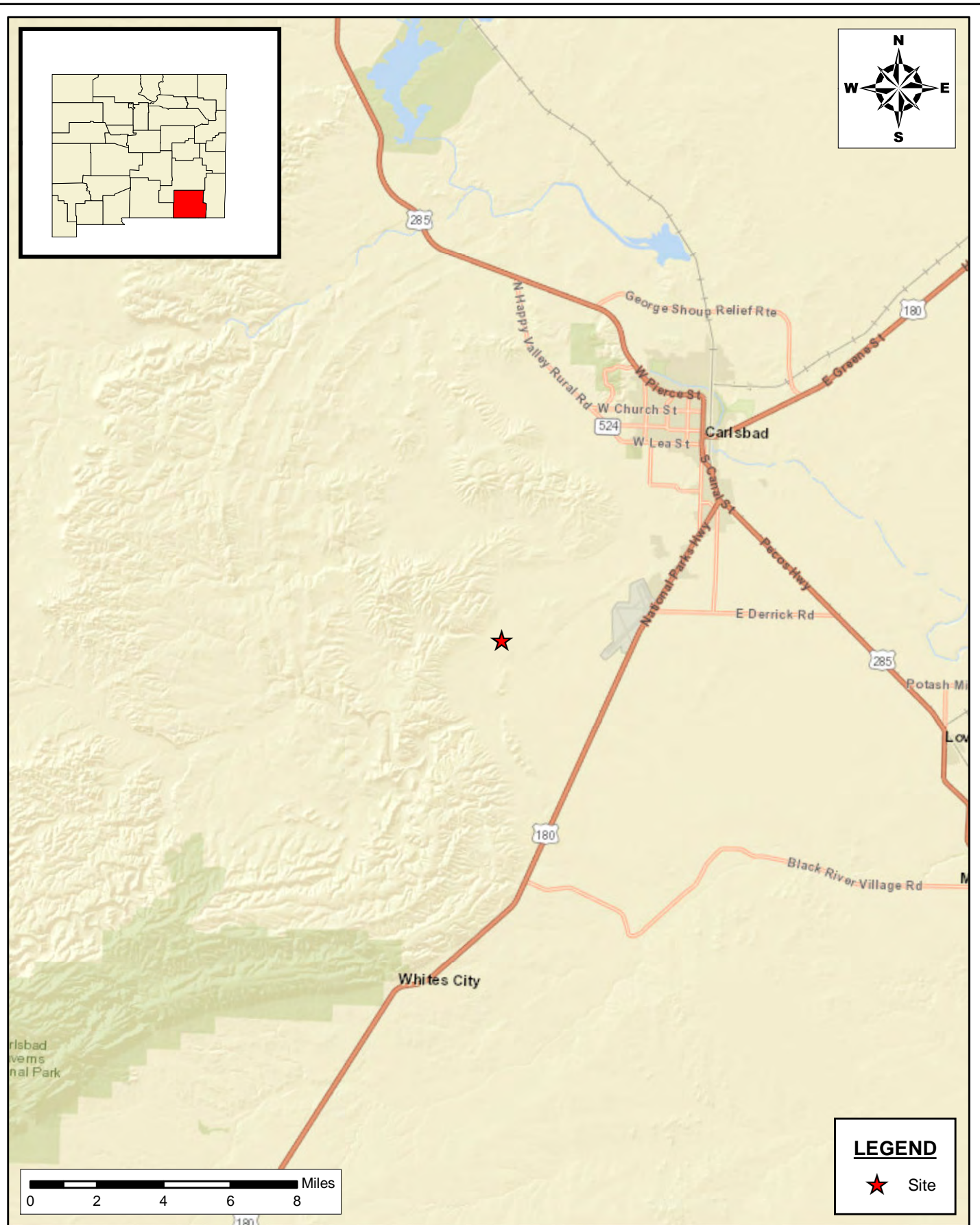


Jeff Kindley, P.G
Senior Project Manager/Geologist
Attachments:

- Figure 1 – Site Location Map
- Figure 2 – Topographic Map
- Figure 3 – Delineation Sample Location Map
- Figure 4 – Confirmation/Deferral Sample Location Map
- Table 1 Summary of Soil Analytical Data – Delineation Samples
- Table 2 Summary of Soil Analytical Data – Confirmation/Deferral Samples
- Appendix A – Site Characterization Documentation
- Appendix B – Photographic Log
- Appendix C – Confirmation Sampling Notifications
- Appendix D – Laboratory Reports and Chain-of-Custody Document

FIGURES

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AREA LOCATION MAP
EARTHSTONE ENERGY
OCOTILLO 6 31 STATE COM WCB #002H
EDDY COUNTY, NEW MEXICO
32.326716°,-104.328321°

SCALE: As Shown DATE: 7/11/2023 PROJECT #: 237253



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

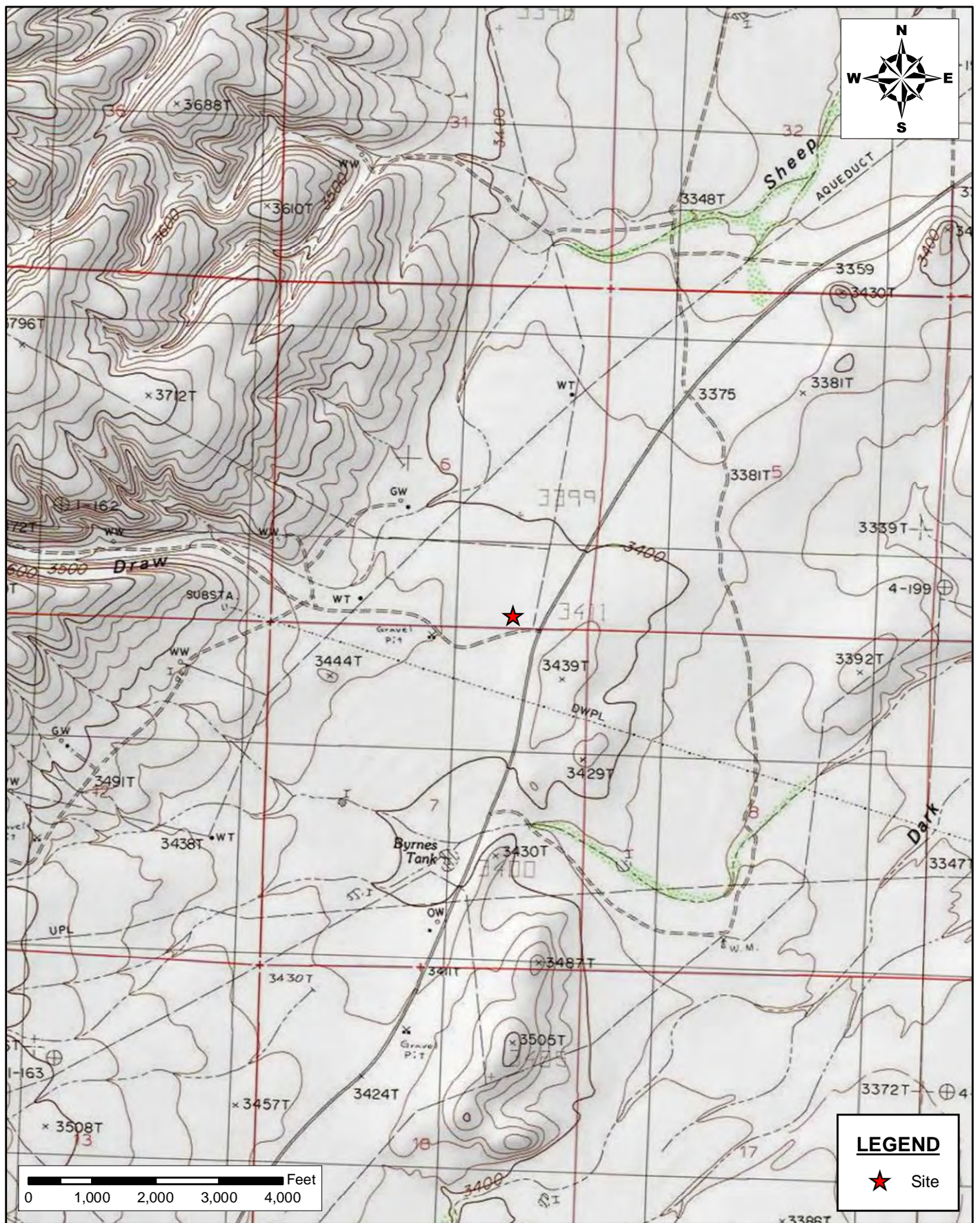
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

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**TOPOGRAPHIC MAP
EARTHSTONE ENERGY**
OCOTILLO 6 31 STATE COM WCB #002H
EDDY COUNTY, NEW MEXICO
32.326716°,-104.328321°

SCALE: As Shown DATE: 07/11/2023 PROJECT #: 237253



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntglobal.com

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 2

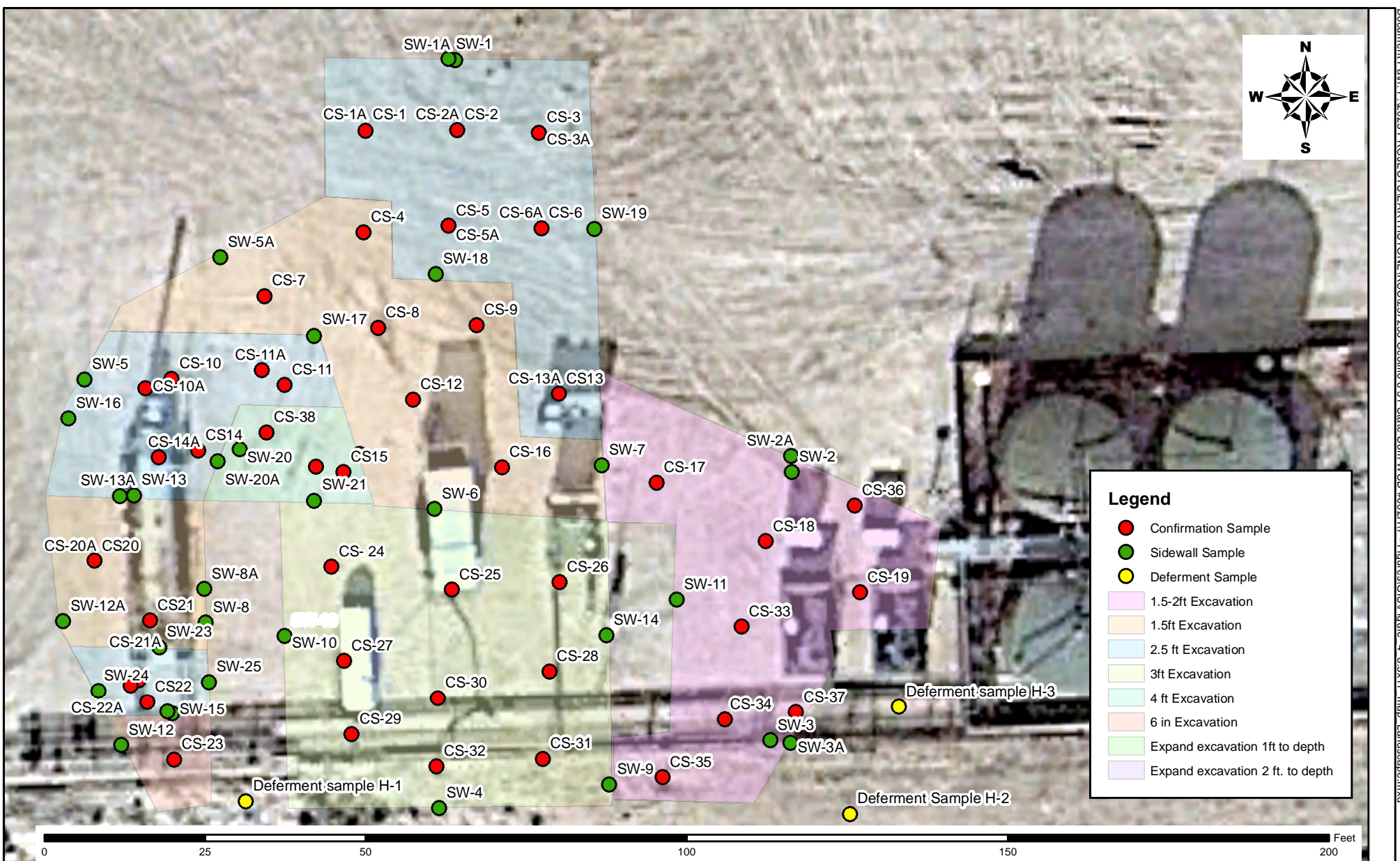
SHEET NUMBER:

1 of 1



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DRAWING NUMBER FIGURE 3 SHEET NUMBER 1 of 1	INITIAL SAMPLING MAP EARTHSTONE ENERGY OCOTILLO 6 31 STATE COM WCB #002H EDDY COUNTY, NEW MEXICO 32.326716°,-104.328321° SCALE: As Shown Date: 7/11/2023 PROJECT #: 237253	New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviromental.com	NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N
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**CONFIRMATION/DEFERMENT SAMPLING MAP****EARTHSTONE ENERGY**

OCOTILLO 6 31 STATE COM WCB #002H

EDDY COUNTY, NEW MEXICO

32.326716°,-104.328321°

SCALE: As Shown

Date: 7/11/2023

PROJECT #: 237253

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NTG
 ENVIRONMENTAL
NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

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TABLES

Table 1
Summary of Soil Analytical Data - Initial Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	---	100 mg/kg	600 mg/kg		
Delineation Samples													
V-1	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,720	2,720	481	3,201	29,200
V-1	04/13/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	393	393	70.4	463.4	9,060
V-1	04/13/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,560	1,560	280	1,840	10,000
V-2	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	565	565	65.9	630.9	1,520
V-2	04/13/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	287	287	<10.0	287	912
V-2	04/13/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	111	111	<10.0	111	1,330
V-3	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,010	1,010	173	1,183	7,600
V-3	04/13/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,860	1,860	321	2,181	1,170
V-3	04/13/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21	21	<10.0	21	1,680
V-3	04/13/23	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
V-4	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	443	67.4	510.4	1,490
V-4	04/13/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.5	47.5	<10.0	47.5	1,330
V-5	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	12,600
V-5	04/13/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040
V-5	04/13/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
V-5	04/13/23	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,960
H-1	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
H-2	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
H-3	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.3	80.3	31.3	111.6	80
H-4	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
H-5	04/13/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.4	23.4	13.1	36.5	160
H-6	04/14/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	172	172	19.6	191.8	80
H-7	04/14/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.3	32.3	<10.0	32.3	560
H-8	04/14/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.5	10.5	<10.0	10.5	48

Table 1
Summary of Soil Analytical Data - Initial Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
H-9	04/14/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	114	114	35.6	149.6	1,060
TP-1	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
TP-2	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,660
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
	04/21/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
TP-3	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	273	273	12.3	285.3	2,600
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
	04/21/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
TP-4	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.1	39.1	<10.0	39.1	1,070
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800
	04/21/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,120
	04/21/23	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
	04/21/23	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
TP-5	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	93.1	93.1	<10.0	93.1	1,340
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
	04/21/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
	04/21/23	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
TP-6	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
	04/21/23	(2-2.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
TP-7	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

Table 1
Summary of Soil Analytical Data - Initial Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
TP-8	04/21/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	289	289	15.9	304.9	2,290
	04/21/23	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
	04/21/23	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Notes:

1. Values reported in mg/kg 5. TPH analyses by EPA Method SW 8015 Mod.

2. < = Value Less Than Reporting Limit 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

3. Bold indicates Analyte Detected 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

4. X analyses by EPA Method SW 8015 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet

SP-1 Sample Point Excavation 9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Base Confirmation Samples													
CS-1	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
CS-1 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-2	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
CS-2 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-3	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,010
CS-3 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-4	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-5	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
CS-5 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-6	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	129	129	<10.0	129	1,920
CS-6 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-7	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-8	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-9	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-10	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,120
CS-10 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-11	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,920
CS-11 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-12	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-13	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
CS-13 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-14	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
CS-14 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-15	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-15 A	06/09/23	(4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-16	05/25/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-17	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-18	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-19	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-20	05/25/23	(6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,440
CS-20 A	06/09/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-21	05/25/23	(6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	864
CS-21 A	06/09/23	(1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CS-22	05/25/23	(6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.0	13.0	<10.0	13.0	688
CS-22 A	06/09/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.1	25.1	<10.0	25.1	784
CS-22 B	06/20/23	(2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-23	05/25/23	(6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-24	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-25	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-26	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-27	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-28	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-29	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-30	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-31	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-32	05/25/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-33	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-34	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-35	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-36	06/09/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-37	06/09/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-38	06/20/23	(4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
Sidewall Samples													
SW-1	05/25/23	(0-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-1 A	06/09/23	(0-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-2	05/25/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	17.7	<10.0	17.7	1,380
SW-2 A	06/09/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-3	05/25/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.5	13.5	<10.0	13.5	848
SW-3 A	06/09/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-4	05/25/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-5	05/25/23	(0-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SW-5 A	06/09/23	(0-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.9	24.9	<10.0	24.9	336
SW-6	05/25/23	(1.5'-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-7	05/25/23	(1.5'-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-8	05/25/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.0	44.0	<10.0	44.0	3,600
SW-8 A	06/09/23	(0-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW-9	05/25/23	(1.5'-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-10	05/25/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,310
SW-11	05/25/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-12	05/25/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-12 A	06/09/23	(0-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-13	05/25/23	(6"-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-13 A	06/09/23	(1.5'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW-14	05/25/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Ocotillo 6-31 State Com
Earthstone Operating, LLC
Eddy County, NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
SW-15	06/09/23	(0.5'-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-15A	06/20/23	(0.5'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-16	06/09/23	(0'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-17	06/09/23	(1.5'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW-18	06/09/23	(1.5'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-19	06/09/23	(0'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.2	21.2	<10.0	21.2	320
SW-20	06/09/23	(2.5'-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	992
SW-20A	06/23/23	(2.5'-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-21	06/09/23	(3'-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-22	06/09/23	(1.5'-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-23	06/20/23	(1.5'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-24	06/20/23	(0'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW-25	06/20/23	(0'-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
Deferral samples													
DH-1	06/09/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
DH-2	06/09/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
DH-3	06/09/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

1. Values reported in mg/kg 5. TPH analyses by EPA Method SW 8015 Mod.

2. < = Value Less Than Reporting Limit 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

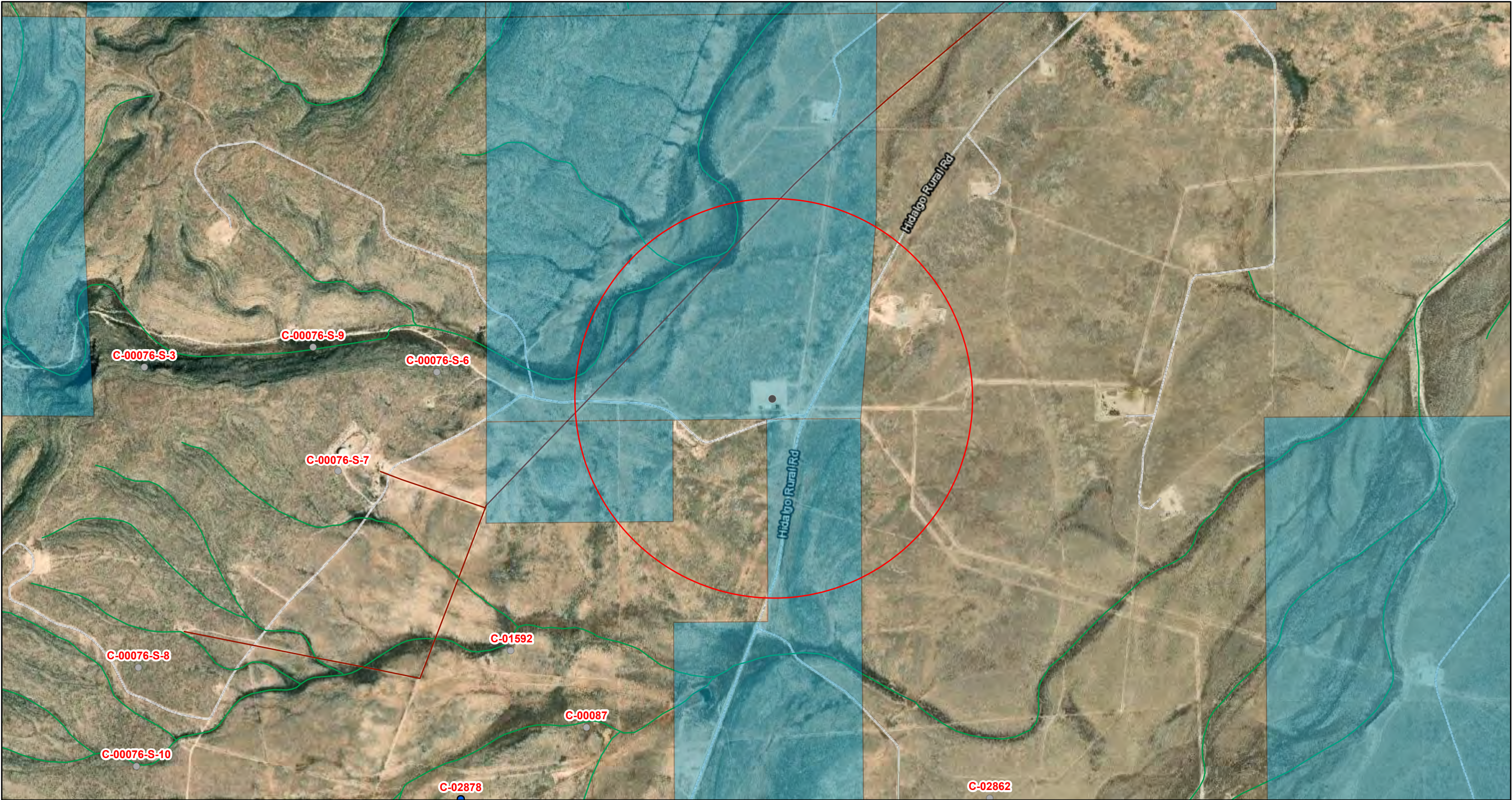
3. Bold indicates Analyte Detected 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

4. VOC analyses by EPA Method SW 8461 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet

5. SP-1 Sample Point Excavated 9. --- Not Analyzed

APPENDIX A: SITE CHARACTERIZATION DOCUMENTATION

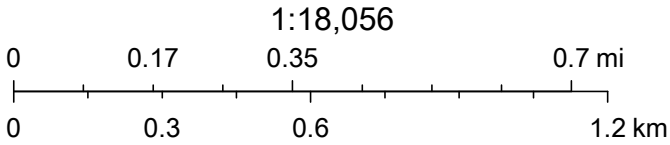
OSE POD Locations Map



4/14/2023, 8:37:46 AM

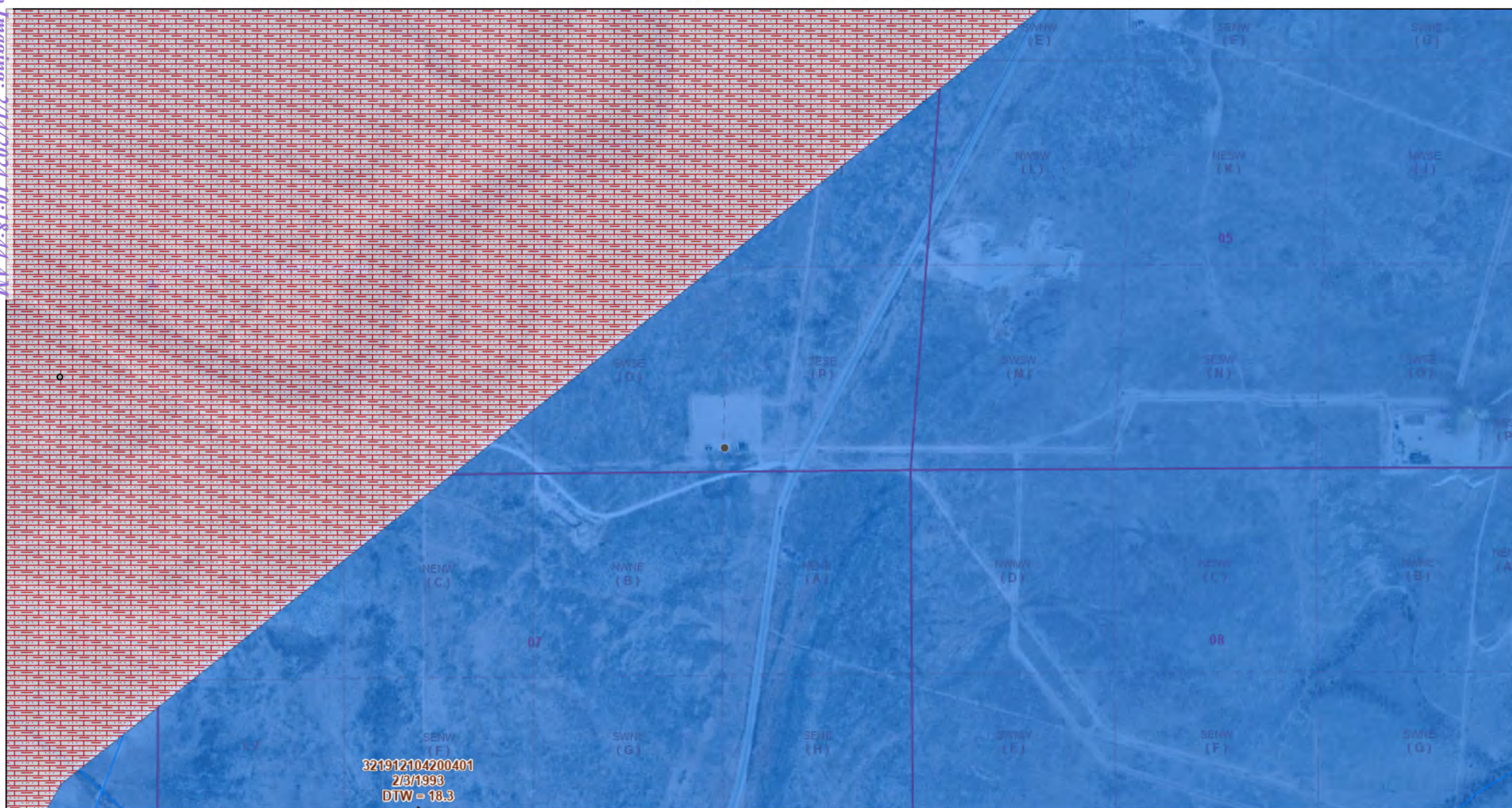
GIS WATERS PODs

OSE District Boundary	NHD Flowlines	Pipeline
Active	New Mexico State Trust Lands	Artificial Path
	Both Estates	Connector
		SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

Site Characterization Map



4/14/2023, 11:38:33 AM

OSE Water PODs

- Unknown
- USGS Historical GW Wells

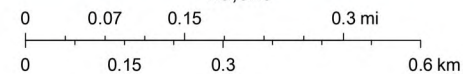
Karst Occurrence Potential

-  High
 Medium
 Critical Karst Resource Area

OSE Streams

- ▲ NMED Drinking Water Systems
- PLSS Second Division
- PLSS First Division

1:9,028



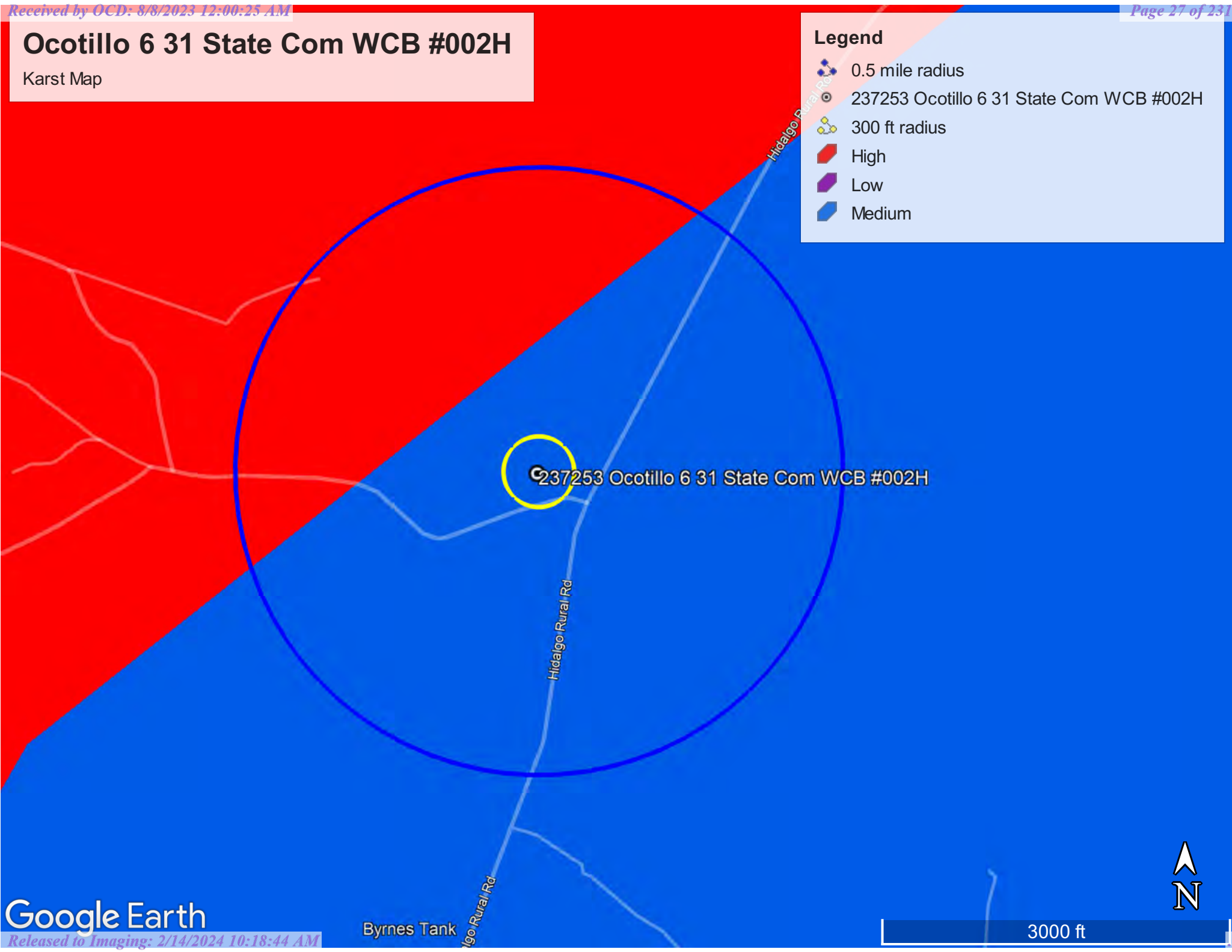
BLM, OCD, New Mexico Tech, USGS, Esri, HERE,
Garmin, iPC, Maxar, NM OSE, BLM

Ocotillo 6 31 State Com WCB #002H

Karst Map

Legend

- 0.5 mile radius
- 237253 Ocotillo 6 31 State Com WCB #002H
- 300 ft radius
- High
- Low
- Medium



Ocotillo 6 31 State Com WCB #002H

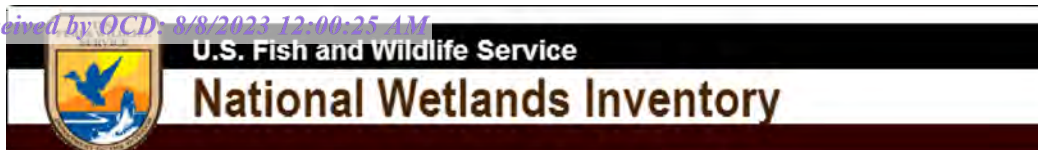
Significant Watercourse Map

Legend

- 0.5 mile radius
- 300 ft radius
- Ocotillo 6 31 State Com WCB #002H

Ocotillo 6 31 State Com WCB #002H

HIDALGO RD
Hidalgo Rural Rd



Ocotillo 6 31 State com WCB #002H



April 14, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



104°20'W 32°19'52"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/14/2023 at 10:41 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Released to Imaging: 2/14/2024 10:18:44 AM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

APPENDIX B: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
Earthstone Operating, LLC
Ocotillo 6 31 State Com WCB #002H

Photograph No. 1

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of release.

**Photograph No. 2**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of release.

**Photograph No. 3**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of release.



PHOTOGRAPHIC LOG
Earthstone Operating, LLC
Ocotillo 6 31 State Com WCB #002H

Photograph No. 4

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

**Photograph No. 5**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

**Photograph No. 6**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



PHOTOGRAPHIC LOG
Earthstone Operating, LLC
Ocotillo 6 31 State Com WCB #002H

Photograph No. 7

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

**Photograph No. 8**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

**Photograph No. 9**

Facility: Ocotillo 6 31 State Com WCB #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



APPENDIX C: CONFIRMATION SAMPLING NOTIFICATIONS

From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H
Date: Thursday, May 4, 2023 9:26:23 AM
Attachments: [image003.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 3, 2023 10:59 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H

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

Good Morning,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H
P-06-23S-26E
Eddy County, NM
nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, May 8, 2023, and continue through Friday, May 12, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H
Date: Wednesday, May 17, 2023 4:45:52 PM
Attachments: [image003.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 17, 2023 1:27 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Cc: Becky Haskell <bhaskell@ntglobal.com>
Subject: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H

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

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H
P-06-23S-26E
Eddy County, NM

nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, May 22, 2023, and continue through Friday, May 26, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H
Date: Wednesday, May 10, 2023 4:30:42 PM
Attachments: [image003.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 10, 2023 12:48 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H

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

Good afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H
P-06-23S-26E
Eddy County, NM
nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, May15, 2023, and continue through Friday, May 19, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Buchanan, Michael, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H
Date: Friday, June 2, 2023 9:35:51 AM
Attachments: [image002.png](#)

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good morning, Ricardo

Received.

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

Respectfully,

Mike Buchanan • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 31, 2023 1:31 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H

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

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H
P-06-23S-26E

Eddy County, NM

nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, June 5, 2023, and continue through Friday, June 9, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H
Date: Wednesday, June 7, 2023 4:56:49 PM
Attachments: [image002.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, June 7, 2023 2:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] OCOTILLO 6 31 STATE COM WCB #002H

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

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H
P-06-23S-26E
Eddy County, NM

nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, June 12, 2023, and continue through Friday, June 16, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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Ethan Sessums

From: Becky Haskell
Sent: Wednesday, August 2, 2023 10:37 AM
To: Ethan Sessums
Subject: FW: OCOTILLO 6 31 STATE COM WCB #002H

Thank You,

Becky Haskell

Senior Project Manager | **NTG Environmental**

M: 432-766-1918 | bhaskell@ntglobal.com

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, June 14, 2023 3:21 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: OCOTILLO 6 31 STATE COM WCB #002H

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

OCOTILLO 6 31 STATE COM WCB #002H

P-06-23S-26E

Eddy County, NM

nRM2026949931

Sampling will begin at 8:00 a.m. on Monday, June 19, 2023, and continue through Friday, June 23, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



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APPENDIX D: LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION



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

April 21, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 04/17/23 12:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (0'-.5') (H231831-01)

BTX 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	04/19/2023	ND	1.95	97.4	2.00	6.68	
Toluene*	<0.050	0.050	04/19/2023	ND	2.03	101	2.00	3.48	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.24	112	2.00	2.93	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.84	114	6.00	2.82	
Total BTX	<0.300	0.300	04/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	29200	16.0	04/19/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	2720	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	481	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (1'-1.5') (H231831-02)

BTX 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	04/19/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/19/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.84	114	6.00	2.82		
Total BTX	<0.300	0.300	04/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9060	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	393	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	70.4	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 (2'-2.5') (H231831-03)

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	04/19/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/19/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.84	114	6.00	2.82		
Total BTEx	<0.300	0.300	04/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58		
DRO >C10-C28*	1560	10.0	04/20/2023	ND	180	90.1	200	6.42		
EXT DRO >C28-C36	280	10.0	04/20/2023	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 157 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 (0'-.5') (H231831-04)

BTX 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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	565	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	65.9	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 (1'-1.5') (H231831-05)

BTX 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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	287	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 (2'-2.5') (H231831-06)

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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1330	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	111	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (0'-.5') (H231831-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	1010	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	173	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (1'-1.5') (H231831-08)

BTX 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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	1860	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	321	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (2'-2.5') (H231831-09)

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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	04/19/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	21.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 (3'-3.5') (H231831-10)

BTX 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	04/20/2023	ND	1.95	97.4	2.00	6.68		
Toluene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	3.48		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.24	112	2.00	2.93		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.84	114	6.00	2.82		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (0'-.5') (H231831-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	443	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	67.4	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 (1'-1.5') (H231831-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5	
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2	
Total BTEx	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	47.5	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (0'-.5') (H231831-13)

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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (1'-1.5') (H231831-14)

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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (2'-2.5') (H231831-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 (3'-3.5') (H231831-16)

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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3960	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	187	93.6	200	5.58	
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	180	90.1	200	6.42	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0'-.5') (H231831-17)

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	04/20/2023	ND	2.03	101	2.00	22.5	
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2	
Total BTEx	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	QM-07, QR-03
DRO >C10-C28*	<10.0	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 55.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.5 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0'-.5') (H231831-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	<10.0	10.0	04/21/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/21/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0'-.5') (H231831-19)

BTX 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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	80.3	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	31.3	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0'-.5') (H231831-20)

BTX 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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTX	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	<10.0	10.0	04/21/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/21/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/13/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (0'-.5') (H231831-21)

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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	23.4	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	13.1	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 (0'-.5') (H231831-22)

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	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	172	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	19.6	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 (0'-.5') (H231831-23)

BTX 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	04/20/2023	ND	2.03	101	2.00	22.5	
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2	
Total BTX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	04/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	32.3	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 66.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/17/2023
Reported: 04/21/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 (0'-.5') (H231831-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/20/2023	ND	2.03	101	2.00	22.5		
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8		
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8		
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2		
Total BTEx	<0.300	0.300	04/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	10.5	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	<10.0	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 50.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/17/2023
 Reported: 04/21/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 9 (0'-.5') (H231831-25)

BTX 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	04/20/2023	ND	2.03	101	2.00	22.5	
Toluene*	<0.050	0.050	04/20/2023	ND	2.11	105	2.00	22.8	
Ethylbenzene*	<0.050	0.050	04/20/2023	ND	2.18	109	2.00	23.8	
Total Xylenes*	<0.150	0.150	04/20/2023	ND	6.64	111	6.00	23.2	
Total BTX	<0.300	0.300	04/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	04/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2023	ND	167	83.5	200	5.77	
DRO >C10-C28*	114	10.0	04/20/2023	ND	166	83.1	200	0.572	
EXT DRO >C28-C36	35.6	10.0	04/20/2023	ND					

Surrogate: 1-Chlorooctane 53.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1831831

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Supp <input type="checkbox"/>	
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TRP <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: ED <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:	Ocotillo 6-31 State Com	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes									
Project Number:	237253															None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC									
Project Location:	Eddy County	Due Date:														HOLD									
Sample's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm																							
PO #:																									
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																							
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																							
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																							
Total Containers:	25	Corrected Temperature:																							

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments									
V-1 (0'-5')	4/13/2023		X		Grab/	1	BTX 8021B										-237253									
V-1 (1'-1.5')	4/13/2023		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)										-237253									
V-1 (2'-2.5')	4/13/2023		X		Grab/	1	Chloride 4500										-237253									
V-2 (0'-5')	4/13/2023		X		Grab/	1											-237253									
V-2 (1'-1.5')	4/13/2023		X		Grab/	1											-237253									
V-2 (2'-2.5')	4/13/2023		X		Grab/	1											-237253									
V-3 (0'-5')	4/13/2023		X		Grab/	1											-237253									
V-3 (1'-1.5')	4/13/2023		X		Grab/	1											-237253									
V-3 (2'-2.5')	4/13/2023		X		Grab/	1											-237253									
V-3 (3'-3.5')	4/13/2023		X		Grab/	1											-237253									

Additional Comments: Billing Code: EAROPEMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/17/23 1250			2
					4
					6



Chain of Custody

Work Order No: 423831

Project Manager: Becky Haskell		Bill to: (if different) Chris Martin	
Company Name: NTG Environmental		Company Name: Earthstone Operating LLC	
Address: 701 Tradewinds Blvd.		Address: 600 N. Martenfield, Suite 1000	
City, State ZIP: Midland TX, 79701		City, State ZIP: Midland TX, 79701	
Phone: 432-766-1918		Email: cmartin@earthstoneenergy.com	

Project Name: Ocotillo 6-31 State Com		<input checked="" type="checkbox"/> Turn Around		Pres. Code	
Project Number: 237253		<input type="checkbox"/> Routine <input type="checkbox"/> Rush			
Project Location: Eddy County		Due Date:			
Sampler's Name: Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT		Temp Blank: Yes No		Well Ice: Yes No	
Received Intact: Yes No		Thermometer ID: 413			
Cooler Custody Seals: Yes No N/A		Correction Factor: -0.00			
Sample Custody Seals: Yes No N/A		Temperature Reading: -0.3			
Total Containers: 25		Corrected Temperature: -0.9			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
V-4 (0'-5')	4/13/2023		X		Grab/	1	BTEX 8021B										None: NO	DI Water: H ₂ O
V-4 (1'-1.5')	4/13/2023		X		Grab/	1	TPH 8015M (GRO + DRO + MRO)										Cool: Cool	MeOH: Me
V-5 (0'-5')	4/13/2023		X		Grab/	1											HCL: HC	HNO ₃ : HN
V-5 (1'-1.5')	4/13/2023		X		Grab/	1											H ₂ SO ₄ : H ₂	NaOH: Na
V-5 (2'-2.5')	4/13/2023		X		Grab/	1											H ₃ PO ₄ : HP	
V-5 (3'-3.5')	4/13/2023		X		Grab/	1											NaHSO ₄ : NABIS	
H-1 (0'-5')	4/14/2023		X		Grab/	1											Na ₂ S ₂ O ₅ : NaSO ₃	
H-2 (0'-5')	4/14/2023		X		Grab/	1											Zn Acetate+NaOH: Zn	
H-3 (0'-5')	4/14/2023		X		Grab/	1											NaOH+Ascorbic Acid: SAPC	
H-4 (0'-5')	4/13/2023		X		Grab/	1												

Additional Comments:		Billing Code: EAROPEMTX	
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/13/23 1350			

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Work Order Comments
Program: ☐ PR ☐ Brownfield ☐ R ☐ Superfund
State of Project: ☐ Level ☐ PST/U ☐ TR ☐ L
Reporting Level: ☐ Level ☐ PST/U ☐ TR ☐ L
Deliverables: EDD ☐ ADAP ☐ Other:

Hold
None: NO
Cool: Cool
HCL: HC
H₂SO₄: H₂
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₅: NaSO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments
11
12
13
14
15
16
17
18
19
20



Chain of Custody

Work Order No: 11031831

Page 3 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments		Page	3	of	3
Program: UST/PS	<input type="checkbox"/> PR <input type="checkbox"/> Brownfie	<input type="checkbox"/> R	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S
State of Project:					
Reporting Level	<input type="checkbox"/> Level <input type="checkbox"/> PST/U	<input type="checkbox"/> TR	<input type="checkbox"/> P	<input type="checkbox"/> L	<input type="checkbox"/> L
Deliverables: EDC	<input type="checkbox"/> ADAP	<input type="checkbox"/> T	<input type="checkbox"/> O	<input type="checkbox"/> R	<input type="checkbox"/> R
	Other:				



Project Name:		Ocotillo 6-31 State Com	Turn Around										
Project Number:		237253	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush										
Project Location		Eddy County	Due Date:										
Sampler's Name:		Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm										
PO #:													
SAMPLE RECEIPT			Temp Blank:		Yes	No	Wet Ice:	Yes	No				
Received In tact:			Yes	No	Thermometer ID:		113						
Cooler Custody Seals:			Yes	No	Correction Factor:		-0.10%						
Sample Custody Seals:			Yes	No	Temperature Reading:		-0.3						
Total Containers:			25		Corrected Temperature:		-0.9°C						
Parameters					PRES.								
BTEx 8021B					Code								
8015M (GRO + DRO + MRO)													
Chloride 4500													
HOLD													
None: NO					DI Water: H ₂ O								
Cool: Cool					MeOH: Me								
HCL: HC					HNO ₃ : HN								
H ₂ SO ₄ : H ₂					NaOH: Na								
H ₃ PO ₄ : HP													
NaHSO ₄ : NABIS													
Na ₂ S ₂ O ₃ : NaSO ₃													
Zn Acetate+NaOH: Zn													
NaOH+Ascorbic Acid: SAPC													

[illegible]

Additional Comments:

Billing Code: EAROPENMTX

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		4/17/23 1250	2		
3			4		
5			6		



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April 27, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 04/21/23 13:46.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 0-6" (H231965-01)

BTX 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	04/25/2023	ND	1.87	93.4	2.00	8.80		
Toluene*	<0.050	0.050	04/25/2023	ND	1.98	99.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	8.29		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	7.25		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	04/25/2023	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	179	89.6	200	3.48	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	201	100	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 1 1-1.5' (H231965-02)

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	04/25/2023	ND	1.87	93.4	2.00	8.80		
Toluene*	<0.050	0.050	04/25/2023	ND	1.98	99.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	8.29		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	7.25		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	179	89.6	200	3.48	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	201	100	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 2 0-6" (H231965-03)

BTX 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	04/25/2023	ND	1.87	93.4	2.00	8.80		
Toluene*	<0.050	0.050	04/25/2023	ND	1.98	99.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	8.29		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	7.25		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/24/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/24/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 2 1-1.5' (H231965-04)

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	04/25/2023	ND	1.87	93.4	2.00	8.80		
Toluene*	<0.050	0.050	04/25/2023	ND	1.98	99.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	8.29		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	7.25		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/24/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/24/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 2 2-2.5' (H231965-05)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544	QM-07	
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/24/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/24/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/24/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 3 0-6" (H231965-06)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	273	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	12.3	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 3 1-1.5' (H231965-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 3 2-2.5' (H231965-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 4 0-6" (H231965-09)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	39.1	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 4 1-1.5' (H231965-10)

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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 4 2-2.5' (H231965-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 4 3-3.5' (H231965-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 4 4-4.5' (H231965-13)

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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 5 0-6" (H231965-14)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	93.1	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 5 1-1.5' (H231965-15)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 5 2-2.5' (H231965-16)

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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 5 3-3.5' (H231965-17)

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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 6 0-6" (H231965-18)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 6 1-1.5' (H231965-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 6 2-2.5' (H231965-20)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/25/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 7 0-6" (H231965-21)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 7 1-1.5' (H231965-22)

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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	192	96.0	200	6.98	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	181	90.3	200	5.95	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 8 0-6" (H231965-23)

BTX 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	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTX	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2290	16.0	04/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	289	10.0	04/25/2023	ND	195	97.7	200	3.27	QM-07
EXT DRO >C28-C36	15.9	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 04/21/2023
Reported: 04/27/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: TP - 8 1-1.5' (H231965-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2023	ND	1.85	92.5	2.00	0.544		
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	0.176		
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.07	103	2.00	0.0521		
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.31	105	6.00	0.0271		
Total BTEx	<0.300	0.300	04/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	04/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2023
 Reported: 04/27/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 04/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: TP - 8 2-2.5' (H231965-25)

BTX 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	04/25/2023	ND	1.87	93.3	2.00	0.628	QR-03
Toluene*	<0.050	0.050	04/25/2023	ND	1.97	98.6	2.00	1.69	QR-03
Ethylbenzene*	<0.050	0.050	04/25/2023	ND	2.19	109	2.00	3.87	QR-03
Total Xylenes*	<0.150	0.150	04/25/2023	ND	6.67	111	6.00	4.87	QR-03
Total BTX	<0.300	0.300	04/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/25/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/25/2023	ND	228	114	200	2.52	
DRO >C10-C28*	<10.0	10.0	04/25/2023	ND	195	97.7	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	04/25/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

BILL TO

ANALYSIS REQUEST

Page 28 of 30



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

June 15, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 06/12/23 13:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 A (2.5') (H232985-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.15	108	2.00	2.73	QR-03
Toluene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	3.65	QR-03
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.14	107	2.00	2.12	QR-03
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.26	QR-03
Total BTEX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 A (2.5') (H232985-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.15	108	2.00	2.73	
Toluene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	3.65	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.14	107	2.00	2.12	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.26	
Total BTEX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 3 A (2.5') (H232985-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2023	ND	2.15	108	2.00	2.73		
Toluene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	3.65		
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.14	107	2.00	2.12		
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.68	111	6.00	3.26		
Total BTEX	<0.300	0.300	06/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 60.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 A (2.5') (H232985-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 6 A (2.5') (H232985-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 A (2.5') (H232985-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 A (2.5') (H232985-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 A (2.5') (H232985-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 A (2.5') (H232985-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 15 A (4') (H232985-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 20 A (1.5') (H232985-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 21 A (1.5') (H232985-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 22 A (1.5') (H232985-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	25.1	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 36 (1.5'-2') (H232985-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 37 (1.5'-2') (H232985-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 A (0'-2.5') (H232985-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 A (0'-2') (H232985-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 3 A (0'-2') (H232985-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/15/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/15/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 A (0'-1.5') (H232985-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	24.9	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 61.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 A (0'-1.5') (H232985-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2023	ND	188	94.0	200	11.0	
DRO >C10-C28*	<10.0	10.0	06/14/2023	ND	190	95.2	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	06/14/2023	ND					

Surrogate: 1-Chlorooctane 65.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.2 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 12 A (0'-1.5') (H232985-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/12/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 A (1.5'-2.5') (H232985-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/12/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15 (0.5'-1.5') (H232985-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.12	106	2.00	14.9	
Toluene*	<0.050	0.050	06/13/2023	ND	2.05	103	2.00	16.8	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.10	105	2.00	15.8	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.28	105	6.00	15.9	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 16 (0'-2.5') (H232985-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 17 (1.5'-2.5') (H232985-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 18 (1.5'-2.5') (H232985-26)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 19 (0'-2.5') (H232985-27)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEX	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	21.2	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 71.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
BECKY HASKELL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 06/12/2023
Reported: 06/15/2023
Project Name: OCOTILLO 6-31 STATE COM
Project Number: 237253 (WCB #002H)
Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 20 (2.5'-4') (H232985-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	06/12/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 21 (3'-4') (H232985-29)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61		
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07		
Total BTEx	<0.300	0.300	06/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 22 (1.5'-4') (H232985-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEx	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	06/12/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232985

Page 1 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund	
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/> B	
Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Ocotillo 6 31 State Com WCB #002H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	237253	Due Date:													None: NO	DI Water: H ₂ O	
Project Location:	Eddy Co, New Mexico														Cool: Cool	MeOH: Me	
Sampler's Name:	Kenny Han														HCL: HC	HNO ₃ : HN	
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:	30	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH													Sample Comments
CS-1A (2.5')	6/9/2023	10:30	X		Comp	1	X	X	X											
CS-2A (2.5')	6/9/2023	10:32	X		Comp	1	X	X	X											
CS-3A (2.5')	6/9/2023	10:34	X		Comp	1	X	X	X											
CS-5A (2.5')	6/9/2023	10:36	X		Comp	1	X	X	X											
CS-6A (2.5')	6/9/2023	10:38	X		Comp	1	X	X	X											
CS-10A (2.5')	6/9/2023	10:40	X		Comp	1	X	X	X											
CS-11A (2.5')	6/9/2023	10:42	X		Comp	1	X	X	X											
CS-13A (2.5')	6/9/2023	10:44	X		Comp	1	X	X	X											
CS-14A (2.5')	6/9/2023	10:46	X		Comp	1	X	X	X											
CS-15A (4')	6/9/2023	10:48	X		Comp	1	X	X	X											

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Kenny Han		6-12-23 1335			
3		4			
5		6			

Chain of Custody

4232985

Page 2 of 3


Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: UST/PS	PR <input type="checkbox"/> Brownfile <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Ocotillo 6 31 State Com WCB #002H		Turn Around		ANALYSIS REQUEST										Preservative Codes									
Project Number:		237253		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush												None: NO DI Water: H ₂ O									
Project Location		Eddy Co. New Mexico		Due Date:												Cool: Cool MeOH: Me									
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm												HCL: HC HNO ₃ : HN									
PO #																H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> Wet Ice: <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>												H ₂ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID:		113												NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C												Na ₂ S ₂ O ₅ : NaSO ₃							
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		-0.7°C												Zn Acetate+NaOH: Zn							
Total Containers:		30		Corrected Temperature:		-0.7°C												NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
CS-20A (1.5')		6/9/2023		10:50		X				Comp		1													
CS-21A (1.5')		6/9/2023		10:52		X				Comp		1													
CS-22A (1.5')		6/9/2023		10:54		X				Comp		1													
CS-36 (1.5'-2')		6/9/2023		10:56		X				Comp		1													
CS-37 (1.5'-2')		6/9/2023		10:58		X				Comp		1													
SW-1A (0'-2.5')		6/9/2023		11:00		X				Comp		1													
SW-2A (0'-2')		6/9/2023		11:02		X				Comp		1													
SW-3A (0'-2')		6/9/2023		11:04		X				Comp		1													
SW-5A (0'-1.5')		6/9/2023		11:06		X				Comp		1													
SW-8A (0'-1.5')		6/9/2023		11:08		X				Comp		1													

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Kenny Han		6-12-23 1335	2		
3			4		
5			6		



Chain of Custody

Work Order No: H232985

Page 3 of 3

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	PR	Brownie	Sup
State of Project:			
Reporting Level	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TRP
Deliverables:	EDD	ADAP	Other:

Project Name:	Ocotillo 6 31 State Com WCB #002H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	237253	Due Date:	TAT starts the day received by the lab, if received by 4:30pm												None: NO	DI Water: H ₂ O			
Project Location:	Eddy Co. New Mexico														Cool: Cool	MeOH: Me			
Sampler's Name:	Kenny Han														HCL: HC	HNO ₃ : HN			
PO #		Temp Blank:	Yes	No	Thermometer ID:											H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Received Intact:	Yes	No	Wet Ice:	Yes	No											H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:											NaHSO ₄ : NABIS				
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:											Na ₂ S ₂ O ₃ : NaSO ₃				
Total Containers:	30	Corrected Temperature:											Zn Acetate+NaOH: Zn						
													NaOH+Ascorbic Acid: SAPC						

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments	
SW-12A (0'-1.5')	6/9/2023	11:10	X		Comp	1	X	X	X									
SW-13A (1.5'-2.5')	6/9/2023	11:12	X		Comp	1	X	X	X									
SW-15 (0.5'-1.5')	6/9/2023	11:14	X		Comp	1	X	X	X									
SW-16 (0'-2.5')	6/9/2023	11:16	X		Comp	1	X	X	X									
SW-17 (1.5'-2.5')	6/9/2023	11:18	X		Comp	1	X	X	X									
SW-18 (1.5'-2.5')	6/9/2023	11:20	X		Comp	1	X	X	X									
SW-19 (0'-2.5')	6/9/2023	11:22	X		Comp	1	X	X	X									
SW-20 (2.5'-4')	6/9/2023	11:24	X		Comp	1	X	X	X									
SW-21 (3'-4')	6/9/2023	11:26	X		Comp	1	X	X	X									
SW-22 (1.5'-4')	6/9/2023	11:28	X		Comp	1	X	X	X									

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Kenny Han	<i>[Signature]</i>	6-13-23 1335			
3					
5					



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

June 26, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM WCB #002H

Enclosed are the results of analyses for samples received by the laboratory on 05/25/23 16:45.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (1.5)	H232684-01	Soil	25-May-23 00:00	25-May-23 16:45
CS - 2 (1.5)	H232684-02	Soil	25-May-23 00:00	25-May-23 16:45
CS - 3 (1.5)	H232684-03	Soil	25-May-23 00:00	25-May-23 16:45
CS - 4 (1.5)	H232684-04	Soil	25-May-23 00:00	25-May-23 16:45
CS - 5 (1.5)	H232684-05	Soil	25-May-23 00:00	25-May-23 16:45
CS - 6 (1.5)	H232684-06	Soil	25-May-23 00:00	25-May-23 16:45
CS - 7 (1.5)	H232684-07	Soil	25-May-23 00:00	25-May-23 16:45
CS - 8 (1.5)	H232684-08	Soil	25-May-23 00:00	25-May-23 16:45
CS - 9 (1.5)	H232684-09	Soil	25-May-23 00:00	25-May-23 16:45
CS - 10 (1.5)	H232684-10	Soil	25-May-23 00:00	25-May-23 16:45
CS - 11 (1.5')	H232684-11	Soil	25-May-23 00:00	25-May-23 16:45
CS - 12 (1.5')	H232684-12	Soil	25-May-23 00:00	25-May-23 16:45
CS - 13 (1.5')	H232684-13	Soil	25-May-23 00:00	25-May-23 16:45
CS - 14 (1.5')	H232684-14	Soil	25-May-23 00:00	25-May-23 16:45
CS - 15 (1.5')	H232684-15	Soil	25-May-23 00:00	25-May-23 16:45
CS - 16 (1.5')	H232684-16	Soil	25-May-23 00:00	25-May-23 16:45
CS - 17 (1.5-2')	H232684-17	Soil	25-May-23 00:00	25-May-23 16:45
CS - 18 (1.5-2')	H232684-18	Soil	25-May-23 00:00	25-May-23 16:45
CS - 19 (1.5-2')	H232684-19	Soil	25-May-23 00:00	25-May-23 16:45
CS - 20 (6")	H232684-20	Soil	25-May-23 00:00	25-May-23 16:45
CS - 21 (6")	H232684-21	Soil	25-May-23 00:00	25-May-23 16:45
CS - 22 (6")	H232684-22	Soil	25-May-23 00:00	25-May-23 16:45
CS - 23 (6")	H232684-23	Soil	25-May-23 00:00	25-May-23 16:45
CS - 24 (3')	H232684-24	Soil	25-May-23 00:00	25-May-23 16:45
CS - 25 (3')	H232684-25	Soil	25-May-23 00:00	25-May-23 16:45
CS - 26 (3')	H232684-26	Soil	25-May-23 00:00	25-May-23 16:45
CS - 27 (3')	H232684-27	Soil	25-May-23 00:00	25-May-23 16:45

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 28 (3')	H232684-28	Soil	25-May-23 00:00	25-May-23 16:45
CS - 29 (3')	H232684-29	Soil	25-May-23 00:00	25-May-23 16:45
CS - 30 (3')	H232684-30	Soil	25-May-23 00:00	25-May-23 16:45
CS - 31 (3')	H232684-31	Soil	25-May-23 00:00	25-May-23 16:45
CS - 32 (3')	H232684-32	Soil	25-May-23 00:00	25-May-23 16:45
CS - 33 (1.5-2')	H232684-33	Soil	25-May-23 00:00	25-May-23 16:45
CS - 34 (1.5-2')	H232684-34	Soil	25-May-23 00:00	25-May-23 16:45
CS - 35 (1.5-2')	H232684-35	Soil	25-May-23 00:00	25-May-23 16:45
SW - 1 (0-1.5')	H232684-36	Soil	25-May-23 00:00	25-May-23 16:45
SW - 2 (0-2')	H232684-37	Soil	25-May-23 00:00	25-May-23 16:45
SW - 3 (0-2')	H232684-38	Soil	25-May-23 00:00	25-May-23 16:45
SW - 4 (0-3')	H232684-39	Soil	25-May-23 00:00	25-May-23 16:45
SW - 5 (0-1.5')	H232684-40	Soil	25-May-23 00:00	25-May-23 16:45
SW - 6 (1.5-3')	H232684-41	Soil	25-May-23 00:00	25-May-23 16:45
SW - 7 (1.5-2')	H232684-42	Soil	25-May-23 00:00	25-May-23 16:45
SW - 8 (0-6")	H232684-43	Soil	25-May-23 00:00	25-May-23 16:45
SW - 9 (1.5-3')	H232684-44	Soil	25-May-23 00:00	25-May-23 16:45
SW - 10 (0-3')	H232684-45	Soil	25-May-23 00:00	25-May-23 16:45
SW - 11 (0-2')	H232684-46	Soil	25-May-23 00:00	25-May-23 16:45
SW - 12 (0-6")	H232684-47	Soil	25-May-23 00:00	25-May-23 16:45
SW - 13 (6"-1.5')	H232684-48	Soil	25-May-23 00:00	25-May-23 16:45
SW - 14 (0-3')	H232684-49	Soil	25-May-23 00:00	25-May-23 16:45

06/26/23 - Client changed the sample ID of -44 (see COC). This is the revised report and will replace the one sent on 05/31/23.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 1 (1.5)
H232684-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1120		16.0	mg/kg	4	3052625	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	89.1 %	48.2-134	3052608	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	90.8 %	49.1-148	3052608	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 2 (1.5)
H232684-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	912		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3052608	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3052608	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 3 (1.5)
H232684-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1010		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			96.1 %		48.2-134	3052608	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.6 %		49.1-148	3052608	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 4 (1.5)
H232684-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		3052608	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %	49.1-148		3052608	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 5 (1.5)
H232684-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5440		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %	71.5-134	3052614	JH	27-May-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052608	MS	26-May-23	8015B

Surrogate: 1-Chlorooctane	79.6 %	48.2-134	3052608	MS	26-May-23	8015B
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Surrogate: 1-Chlorooctadecane	81.4 %	49.1-148	3052608	MS	26-May-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 6 (1.5)
H232684-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1920		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
DRO >C10-C28*	129		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052608	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			80.9 %		48.2-134	3052608	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			84.6 %		49.1-148	3052608	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 7 (1.5)
H232684-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.9 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 8 (1.5)
H232684-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %	71.5-134		3052614	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctane</i>			113 %	48.2-134		3052609	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			104 %	49.1-148		3052609	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 9 (1.5)
H232684-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.7 %	71.5-134		3052614	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2-134		3052609	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctadecane			95.6 %	49.1-148		3052609	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 10 (1.5)
H232684-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2120		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.9 %		71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.4 %		48.2-134	3052609	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.2 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 11 (1.5')
H232684-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	5920		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %		71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			115 %		48.2-134	3052609	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 12 (1.5')**H232684-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.8 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 13 (1.5')**H232684-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.6 %		71.5-134	3052614	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctane			108 %		48.2-134	3052609	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctadecane			99.3 %		49.1-148	3052609	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 14 (1.5')**H232684-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2960		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.8 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 15 (1.5')**H232684-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	3200		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			73.0 %		48.2-134	3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			67.0 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 16 (1.5')**H232684-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052614	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052614	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052614	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3052614	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			111 %	48.2-134		3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 17 (1.5-2')**H232684-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			105 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 18 (1.5-2')**H232684-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			113 %		48.2-134	3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 19 (1.5-2')**H232684-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3052615	JH	27-May-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052609	MS	26-May-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052609	MS	26-May-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052609	MS	26-May-23	8015B

Surrogate: 1-Chlorooctane	105 %	48.2-134	3052609	MS	26-May-23	8015B
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Surrogate: 1-Chlorooctadecane	96.9 %	49.1-148	3052609	MS	26-May-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 20 (6")
H232684-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	2440		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			103 %		48.2-134	3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			94.3 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 21 (6")
H232684-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	864		16.0	mg/kg	4	3052630	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			106 %		48.2-134	3052609	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.7 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 22 (6")
H232684-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	688		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134 3052615 JH 27-May-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	13.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane 120 % 48.2-134 3052609 MS 26-May-23 8015B

Surrogate: 1-Chlorooctadecane 113 % 49.1-148 3052609 MS 26-May-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 23 (6")
H232684-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %	71.5-134		3052615	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctane</i>			93.9 %	48.2-134		3052609	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			86.3 %	49.1-148		3052609	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 24 (3')
H232684-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3052609	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.7 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 25 (3')
H232684-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.5 %		48.2-134	3052609	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.8 %		49.1-148	3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 26 (3')
H232684-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.9 %	71.5-134		3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052609	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		3052609	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.5 %	49.1-148		3052609	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 27 (3')
H232684-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.8 %	48.2-134		3052610	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.9 %	49.1-148		3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 28 (3')
H232684-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		3052615	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctane			93.0 %	48.2-134		3052610	MS	26-May-23	8015B	
Surrogate: 1-Chlorooctadecane			93.1 %	49.1-148		3052610	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 29 (3')
H232684-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			90.9 %	48.2-134		3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			90.4 %	49.1-148		3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 30 (3')
H232684-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.9 %	71.5-134		3052615	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctane</i>			81.9 %	48.2-134		3052610	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			82.9 %	49.1-148		3052610	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 31 (3')
H232684-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %		48.2-134	3052610	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.3 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 32 (3')
H232684-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.7 %	71.5-134		3052615	JH	27-May-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.0 %	48.2-134		3052610	MS	26-May-23	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			84.4 %	49.1-148		3052610	MS	26-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 33 (1.5-2')**H232684-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			80.6 %		48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			81.4 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 34 (1.5-2')**H232684-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	65.6 %	48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	66.2 %	49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

CS - 35 (1.5-2')**H232684-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		71.5-134	3052615	JH	27-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			58.2 %		48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			58.1 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 1 (0-1.5')**H232684-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052615	JH	27-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052615	JH	27-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052615	JH	27-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3052615	JH	27-May-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052610	MS	30-May-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052610	MS	30-May-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052610	MS	30-May-23	8015B

Surrogate: 1-Chlorooctane	116 %	48.2-134	3052610	MS	30-May-23	8015B
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Surrogate: 1-Chlorooctadecane	125 %	49.1-148	3052610	MS	30-May-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 2 (0-2')
H232684-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1380		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %		71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	17.7		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			60.5 %		48.2-134	3052610	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			61.2 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 3 (0-2')
H232684-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	848		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	13.5		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			59.5 %		48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			59.6 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 4 (0-3')
H232684-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			53.2 %	48.2-134		3052610	MS	26-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			52.6 %	49.1-148		3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 5 (0-1.5')**H232684-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	496		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	56.0 %	48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	56.2 %	49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 6 (1.5-3')**H232684-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	3052633	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			67.1 %		48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			66.5 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 7 (1.5-2')**H232684-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	58.0 %	48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	58.1 %	49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 8 (0-6")**H232684-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	3600		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	44.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			71.2 %		48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			73.2 %		49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 9 (1.5-3')**H232684-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			75.5 %	48.2-134		3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			76.1 %	49.1-148		3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 10 (0-3')**H232684-45 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1310		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	64.7 %	48.2-134	3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	66.4 %	49.1-148	3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 11 (0-2')**H232684-46 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052610	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			97.2 %	48.2-134		3052610	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3052610	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 12 (0-6")**H232684-47 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3052616	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane	121 %	48.2-134	3052616	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane	133 %	49.1-148	3052616	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 13 (6"-1.5')**H232684-48 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			126 %	48.2-134		3052616	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			139 %	49.1-148		3052616	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

SW - 14 (0-3')**H232684-49 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	3052634	AC	26-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3052618	JH/	26-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3052618	JH/	26-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3052618	JH/	26-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3052616	MS	26-May-23	8015B	

Surrogate: 1-Chlorooctane			128 %	48.2-134		3052616	MS	26-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			138 %	49.1-148		3052616	MS	26-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052625 - 1:4 DI Water**Blank (3052625-BLK1)**

Prepared & Analyzed: 26-May-23

Chloride	ND	16.0	mg/kg
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LCS (3052625-BS1)

Prepared & Analyzed: 26-May-23

Chloride	400	16.0	mg/kg	400	100	80-120
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LCS Dup (3052625-BSD1)

Prepared & Analyzed: 26-May-23

Chloride	432	16.0	mg/kg	400	108	80-120	7.69	20
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Batch 3052630 - 1:4 DI Water**Blank (3052630-BLK1)**

Prepared & Analyzed: 26-May-23

Chloride	ND	16.0	mg/kg
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LCS (3052630-BS1)

Prepared & Analyzed: 26-May-23

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (3052630-BSD1)

Prepared & Analyzed: 26-May-23

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 3052633 - 1:4 DI Water**Blank (3052633-BLK1)**

Prepared & Analyzed: 26-May-23

Chloride	ND	16.0	mg/kg
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LCS (3052633-BS1)

Prepared & Analyzed: 26-May-23

Chloride	416	16.0	mg/kg	400	104	80-120
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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052633 - 1:4 DI Water**LCS Dup (3052633-BSD1)**

Prepared & Analyzed: 26-May-23

Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
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Batch 3052634 - 1:4 DI Water**Blank (3052634-BLK1)**

Prepared & Analyzed: 26-May-23

Chloride	ND	16.0	mg/kg							
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LCS (3052634-BS1)

Prepared & Analyzed: 26-May-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3052634-BSD1)

Prepared & Analyzed: 26-May-23

Chloride	384	16.0	mg/kg	400		96.0	80-120	11.8	20	
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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052614 - Volatiles**Blank (3052614-BLK1)**

Prepared & Analyzed: 26-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

LCS (3052614-BS1)

Prepared & Analyzed: 26-May-23

Benzene	2.19	0.050	mg/kg	2.00		109	81.4-118			
Toluene	2.14	0.050	mg/kg	2.00		107	88.7-121			
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	86.1-120			
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	88.2-124			
o-Xylene	2.09	0.050	mg/kg	2.00		105	84.9-118			
Total Xylenes	6.42	0.150	mg/kg	6.00		107	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.5	71.5-134			

LCS Dup (3052614-BSD1)

Prepared & Analyzed: 26-May-23

Benzene	2.21	0.050	mg/kg	2.00		110	81.4-118	0.849	15.8	
Toluene	2.17	0.050	mg/kg	2.00		109	88.7-121	1.53	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120	1.42	16	
m,p-Xylene	4.37	0.100	mg/kg	4.00		109	88.2-124	0.910	16.2	
o-Xylene	2.10	0.050	mg/kg	2.00		105	84.9-118	0.348	16.7	
Total Xylenes	6.47	0.150	mg/kg	6.00		108	87.3-122	0.727	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

Batch 3052615 - Volatiles**Blank (3052615-BLK1)**

Prepared: 26-May-23 Analyzed: 27-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052615 - Volatiles**Blank (3052615-BLK1)**

Prepared: 26-May-23 Analyzed: 27-May-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

LCS (3052615-BS1)

Prepared: 26-May-23 Analyzed: 27-May-23

Benzene	2.24	0.050	mg/kg	2.00		112	81.4-118			
Toluene	2.23	0.050	mg/kg	2.00		112	88.7-121			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	86.1-120			
m,p-Xylene	4.45	0.100	mg/kg	4.00		111	88.2-124			
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.9-118			
Total Xylenes	6.59	0.150	mg/kg	6.00		110	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

LCS Dup (3052615-BS1)

Prepared: 26-May-23 Analyzed: 27-May-23

Benzene	2.21	0.050	mg/kg	2.00		111	81.4-118	1.45	15.8	
Toluene	2.18	0.050	mg/kg	2.00		109	88.7-121	2.35	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	86.1-120	1.01	16	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	88.2-124	1.08	16.2	
o-Xylene	2.13	0.050	mg/kg	2.00		107	84.9-118	0.296	16.7	
Total Xylenes	6.54	0.150	mg/kg	6.00		109	87.3-122	0.825	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0481		mg/kg	0.0500		96.1	71.5-134			

Batch 3052618 - Volatiles**Blank (3052618-BLK1)**

Prepared & Analyzed: 26-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052618 - Volatiles**LCS (3052618-BS1)**

Prepared & Analyzed: 26-May-23

Benzene	1.97	0.050	mg/kg	2.00		98.4	81.4-118		
Toluene	1.93	0.050	mg/kg	2.00		96.7	88.7-121		
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.7	86.1-120		
m,p-Xylene	3.97	0.100	mg/kg	4.00		99.3	88.2-124		
o-Xylene	2.00	0.050	mg/kg	2.00		100	84.9-118		
Total Xylenes	5.97	0.150	mg/kg	6.00		99.5	87.3-122		

Surrogate: 4-Bromofluorobenzene (PID)

0.0501

mg/kg

0.0500

100

71.5-134

LCS Dup (3052618-BSD1)

Prepared & Analyzed: 26-May-23

Benzene	2.02	0.050	mg/kg	2.00		101	81.4-118	2.80	15.8
Toluene	2.04	0.050	mg/kg	2.00		102	88.7-121	5.51	15.9
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	86.1-120	6.51	16
m,p-Xylene	4.22	0.100	mg/kg	4.00		105	88.2-124	5.98	16.2
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.9-118	3.85	16.7
Total Xylenes	6.30	0.150	mg/kg	6.00		105	87.3-122	5.27	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0502

mg/kg

0.0500

100

71.5-134

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052608 - General Prep - Organics**Blank (3052608-BLK1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	58.9		mg/kg	49.6		119	48.2-134		
Surrogate: 1-Chlorooctadecane	64.6		mg/kg	50.0		129	49.1-148		

LCS (3052608-BS1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	194	10.0	mg/kg	200		97.2	78.5-124		
DRO >C10-C28	195	10.0	mg/kg	200		97.7	72.5-126		
Total TPH C6-C28	390	10.0	mg/kg	400		97.4	77.6-123		
Surrogate: 1-Chlorooctane	49.1		mg/kg	49.6		99.1	48.2-134		
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	49.1-148		

LCS Dup (3052608-BS1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	191	10.0	mg/kg	200		95.7	78.5-124	1.47	17.7
DRO >C10-C28	184	10.0	mg/kg	200		92.2	72.5-126	5.83	21
Total TPH C6-C28	376	10.0	mg/kg	400		94.0	77.6-123	3.63	18.5
Surrogate: 1-Chlorooctane	59.2		mg/kg	49.6		119	48.2-134		
Surrogate: 1-Chlorooctadecane	62.6		mg/kg	50.0		125	49.1-148		

Batch 3052609 - General Prep - Organics**Blank (3052609-BLK1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	59.4		mg/kg	49.6		120	48.2-134		
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 3052609 - General Prep - Organics**LCS (3052609-BS1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	227	10.0	mg/kg	200		114	78.5-124		
DRO >C10-C28	215	10.0	mg/kg	200		107	72.5-126		
Total TPH C6-C28	442	10.0	mg/kg	400		111	77.6-123		
Surrogate: 1-Chlorooctane	58.3		mg/kg	49.6		118	48.2-134		
Surrogate: 1-Chlorooctadecane	55.3		mg/kg	50.0		111	49.1-148		

LCS Dup (3052609-BS1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	225	10.0	mg/kg	200		112	78.5-124	1.15	17.7
DRO >C10-C28	210	10.0	mg/kg	200		105	72.5-126	2.48	21
Total TPH C6-C28	434	10.0	mg/kg	400		109	77.6-123	1.79	18.5
Surrogate: 1-Chlorooctane	70.7		mg/kg	49.6		143	48.2-134		S-04
Surrogate: 1-Chlorooctadecane	67.1		mg/kg	50.0		134	49.1-148		

Batch 3052610 - General Prep - Organics**Blank (3052610-BLK1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	52.8		mg/kg	49.6		107	48.2-134		
Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	49.1-148		

LCS (3052610-BS1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	226	10.0	mg/kg	200		113	78.5-124		
DRO >C10-C28	225	10.0	mg/kg	200		113	72.5-126		
Total TPH C6-C28	451	10.0	mg/kg	400		113	77.6-123		
Surrogate: 1-Chlorooctane	52.7		mg/kg	49.6		106	48.2-134		
Surrogate: 1-Chlorooctadecane	59.5		mg/kg	50.0		119	49.1-148		

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 15:55

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3052610 - General Prep - Organics**LCS Dup (3052610-BSD1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	222	10.0	mg/kg	200		111	78.5-124	1.61	17.7	
DRO >C10-C28	219	10.0	mg/kg	200		110	72.5-126	2.64	21	
Total TPH C6-C28	441	10.0	mg/kg	400		110	77.6-123	2.12	18.5	
Surrogate: 1-Chlorooctane	63.3		mg/kg	49.6		128	48.2-134			
Surrogate: 1-Chlorooctadecane	70.3		mg/kg	50.0		141	49.1-148			

Batch 3052616 - General Prep - Organics**Blank (3052616-BLK1)**

Prepared & Analyzed: 26-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	60.5		mg/kg	49.6		122	48.2-134			
Surrogate: 1-Chlorooctadecane	68.6		mg/kg	50.0		137	49.1-148			

LCS (3052616-BS1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	213	10.0	mg/kg	200		106	78.5-124			
DRO >C10-C28	226	10.0	mg/kg	200		113	72.5-126			
Total TPH C6-C28	439	10.0	mg/kg	400		110	77.6-123			
Surrogate: 1-Chlorooctane	59.1		mg/kg	49.6		119	48.2-134			
Surrogate: 1-Chlorooctadecane	65.1		mg/kg	50.0		130	49.1-148			

LCS Dup (3052616-BSD1)

Prepared & Analyzed: 26-May-23

GRO C6-C10	211	10.0	mg/kg	200		106	78.5-124	0.634	17.7	
DRO >C10-C28	222	10.0	mg/kg	200		111	72.5-126	1.83	21	
Total TPH C6-C28	434	10.0	mg/kg	400		108	77.6-123	1.25	18.5	
Surrogate: 1-Chlorooctane	71.7		mg/kg	49.6		145	48.2-134			S-04
Surrogate: 1-Chlorooctadecane	79.4		mg/kg	50.0		159	49.1-148			S-04

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232684

Page 1 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	PR	Brownfield	RI
State of Project:			
Reporting Level:	Level	PST/UT	TR
Deliverables:	ED	ADAP	Other:

Project Name:	Ocotillo 6-31 State Com	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	237253	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Jordan Tyner				
PO #:					
SAMPLE RECEIPT					
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.65		
Total Containers:	49	Temperature Reading:	3.95		
		Corrected Temperature:	3.32		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (1.5)	5/25/2023		X		Comp	1	BTEX 8021B		None: NO	DI Water: H ₂ O
CS-2 (1.5)	5/25/2023		X		Comp	1	TPH 8015M (GRO + DRO + MRO)		Cool: Cool	MeOH: Me
CS-3 (1.5)	5/25/2023		X		Comp	1	Chloride 4500		HCL: HC	HNO ₃ : HN
CS-4 (1.5)	5/25/2023		X		Comp	1			H ₂ SO ₄ : H ₂	NaOH: Na
CS-5 (1.5)	5/25/2023		X		Comp	1			H ₃ PO ₄ : HP	
CS-6 (1.5)	5/25/2023		X		Comp	1			NaHSO ₄ : NABIS	
CS-7 (1.5)	5/25/2023		X		Comp	1			Na ₂ S ₂ O ₃ : NaSO ₃	
CS-8 (1.5)	5/25/2023		X		Comp	1			Zn Acetate+NaOH: Zn	
CS-9 (1.5)	5/25/2023		X		Comp	1			NaOH+Ascorbic Acid: SAPC	
CS-10 (1.5)	5/25/2023		X		Comp	1				

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-25-23 1445			
		2			
		4			
		6			



Chain of Custody

Work Order No:

H232684

Page 2 of 5

Page 63 of 66

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	PR	Brownfield	R
State of Project:			
Reporting Level:	Level	PST/UT	TRP
Deliverables:	EDD	ADAP	Other:

Project Name:	Ocotillo 6-31 State Com	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	237253	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Jordan Tyner				
PO #:					
SAMPLE RECEIPT					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6%		
Total Containers:	49	Temperature Reading:	3.9%		
		Corrected Temperature:	3.3%		
Parameters					
BTX 8021B					
TPH 8015M (GRO + DRO + MRO)					
Chloride 4500					
ANALYSIS REQUEST					
Preservative Codes					
None: NO DI Water: H ₂ O					
Cool: Cool MeOH: Me					
HCL: HC HNO ₃ : HN					
H ₂ SO ₄ : H ₂ NaOH: Na					
H ₃ PO ₄ : HP					
NaHSO ₄ : NABIS					
Na ₂ S ₂ O ₃ : NaSO ₃					
Zn Acetate+NaOH: Zn					
NaOH+Ascorbic Acid: SAPC					

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-25-23 1645			
		2			
		4			
		6			



Chain of Custody

Work Order No: 42332684

Page 3 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program: UST/PS	<input type="checkbox"/> PR	<input type="checkbox"/> Brownfield	<input type="checkbox"/> RCT
State of Project:	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TRP
Reporting Level:	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TRP
Deliverables:	EDC	ADAP	Other:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	Sample Comments	
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										HOLD
CS-21 (6")	5/25/2023		X		Comp	1	X	X	X										
CS-22 (6")	5/25/2023		X		Comp	1	X	X	X										
CS-23 (6")	5/25/2023		X		Comp	1	X	X	X										
CS-24 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-25 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-26 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-27 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-28 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-29 (3')	5/25/2023		X		Comp	1	X	X	X										
CS-30 (3')	5/25/2023		X		Comp	1	X	X	X										

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-25-23 1645			
		4			
		6			



Chain of Custody

Work Order No: H232684

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Program: <input type="checkbox"/> UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund State of Project: <input type="checkbox"/> Reporting Level <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/> Deliverables: EDP <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	
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Project Name:	Ocotillo 6-31 State Com	Turn Around	Due Date:	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
Project Number:	237253	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush					
Project Location:	Eddy County						
Sampler's Name:	Jordan Tyrner						
PO #:							
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:					
Total Containers:	49	Corrected Temperature:					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	
CS-31 (3)	5/25/2023		X		Comp	1	X
CS-32 (3)	5/25/2023		X		Comp	1	X
CS-33 (1.5-2)	5/25/2023		X		Comp	1	X
CS-34 (1.5-2)	5/25/2023		X		Comp	1	X
CS-35 (1.5-2)	5/25/2023		X		Comp	1	X
SW-1 (0-1.5')	5/25/2023		X		Comp	1	X
SW-2 (0-2')	5/25/2023		X		Comp	1	X
SW-3 (0-2')	5/25/2023		X		Comp	1	X
SW-4 (0-3')	5/25/2023		X		Comp	1	X
SW-5 (0-1.5')	5/25/2023		X		Comp	1	X

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-25-23 1445			
		2			
		4			
		6			



Chain of Custody

Work Order No: 4332684

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund	
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L	
Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:		Ocotillo 6-31 State Com		Turn Around		ANALYSIS REQUEST												Preservative Codes		
Project Number:		237253		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code												None: NO	DI Water: H ₂ O	
Project Location		Eddy County		Due Date:														Cool: Cool	MeOH: Me	
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="radio"/> No <input type="radio"/>		Wet Ice:		Yes <input checked="" type="radio"/> No <input type="radio"/>									H ₃ PO ₄ : HP	
Received Intact:				Yes <input checked="" type="radio"/> No <input type="radio"/>		Thermometer ID:				-0.6									NaHSO ₄ : NABIS	
Cooler Custody Seals:				Yes <input type="radio"/> No <input checked="" type="radio"/>		Correction Factor:				3.9									Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:				Yes <input type="radio"/> No <input checked="" type="radio"/>		Temperature Reading:				3.3									Zn Acetate+NaOH: Zn	
Total Containers:				49		Corrected Temperature:													NaOH+Ascorbic Acid: SAPC	
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW-6 (1.5-3')			5/25/2023		X		Comp	1	X	X	X									
SW-7 (1.5-2')			5/25/2023		X		Comp	1	X	X	X									
SW-8 (0-6')			5/25/2023		X		Comp	1	X	X	X									
SW-9 (0-3') *			5/25/2023		X		Comp	1	X	X	X									
SW-10 (0-3')			5/25/2023		X		Comp	1	X	X	X									
SW-11 (0-2')			5/25/2023		X		Comp	1	X	X	X									
SW-12 (0-6')			5/25/2023		X		Comp	1	X	X	X									
SW-13 (6"-1.5')			5/25/2023		X		Comp	1	X	X	X									
SW-14 (0-3')			5/25/2023		X		Comp	1	X	X	X									

Additional Comments:

* Customer requested ID change. re. 6/6/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-25-23 1645			
		2			
		4			
		6			

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

June 26, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM WCB #002H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 16:18.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 20A (2.5'-4')	H233206-01	Soil	20-Jun-23 11:10	20-Jun-23 16:18
SW - 23 (1.5'-2.5')	H233206-02	Soil	20-Jun-23 11:12	20-Jun-23 16:18
SW - 24 (0'-2.5')	H233206-03	Soil	20-Jun-23 11:14	20-Jun-23 16:18
SW - 25 (0'-2.5')	H233206-04	Soil	20-Jun-23 11:16	20-Jun-23 16:18
SW - 15A (.5'-2.5')	H233206-05	Soil	20-Jun-23 11:18	20-Jun-23 16:18
CS - 22B (2.5')	H233206-06	Soil	20-Jun-23 11:20	20-Jun-23 16:18
CS - 38 (4')	H233206-07	Soil	20-Jun-23 11:22	20-Jun-23 16:18

06/26/23 - Client changed the sample ID on -01 (see COC). This is the revised report and will replace the one sent on 06/22/23.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

SW - 20A (2.5'-4')
H233206-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 3062103 MS 22-Jun-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B	

Surrogate: 1-Chlorooctane 91.9 % 48.2-134 3062110 MS 21-Jun-23 8015B

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148 3062110 MS 21-Jun-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

SW - 23 (1.5'-2.5')**H233206-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3062103	MS	22-Jun-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B

Surrogate: 1-Chlorooctane	95.1 %	48.2-134	3062110	MS	21-Jun-23	8015B
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3062110	MS	21-Jun-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

SW - 24 (0'-2.5')**H233206-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3062103	MS	22-Jun-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3062110	MS	21-Jun-23	8015B

Surrogate: 1-Chlorooctane	101 %	48.2-134	3062110	MS	21-Jun-23	8015B
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Surrogate: 1-Chlorooctadecane	109 %	49.1-148	3062110	MS	21-Jun-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

SW - 25 (0'-2.5')**H233206-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3062103	MS	22-Jun-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B

Surrogate: 1-Chlorooctane	94.1 %	48.2-134	3062111	MS	21-Jun-23	8015B
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Surrogate: 1-Chlorooctadecane	94.2 %	49.1-148	3062111	MS	21-Jun-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

SW - 15A (.5'-2.5')**H233206-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3062103	MS	22-Jun-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B

Surrogate: 1-Chlorooctane	126 %	48.2-134	3062111	MS	21-Jun-23	8015B
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Surrogate: 1-Chlorooctadecane	126 %	49.1-148	3062111	MS	21-Jun-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

CS - 22B (2.5')**H233206-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3062103	MS	22-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B	

Surrogate: 1-Chlorooctane			127 %	48.2-134		3062111	MS	21-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			126 %	49.1-148		3062111	MS	21-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

CS - 38 (4')**H233206-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	352		16.0	mg/kg	4	3062115	AC	21-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3062103	MS	22-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3062103	MS	22-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3062103	MS	22-Jun-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3062111	MS	21-Jun-23	8015B

Surrogate: 1-Chlorooctane	94.5 %	48.2-134	3062111	MS	21-Jun-23	8015B
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Surrogate: 1-Chlorooctadecane	95.5 %	49.1-148	3062111	MS	21-Jun-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3062115 - 1:4 DI Water									
Blank (3062115-BLK1)					Prepared & Analyzed: 21-Jun-23				
Chloride	ND	16.0	mg/kg						
LCS (3062115-BS1)					Prepared & Analyzed: 21-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (3062115-BSD1)					Prepared & Analyzed: 21-Jun-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3062103 - Volatiles**Blank (3062103-BLK1)**

Prepared & Analyzed: 21-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

LCS (3062103-BS1)

Prepared & Analyzed: 21-Jun-23

Benzene	2.11	0.050	mg/kg	2.00		105	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		99.0	86-128			
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	85.9-128			
m,p-Xylene	4.07	0.100	mg/kg	4.00		102	89-129			
o-Xylene	1.96	0.050	mg/kg	2.00		98.1	86.1-125			
Total Xylenes	6.03	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

LCS Dup (3062103-BSD1)

Prepared & Analyzed: 21-Jun-23

Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130	2.66	15.8	
Toluene	1.92	0.050	mg/kg	2.00		96.1	86-128	2.93	15.9	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.4	85.9-128	1.73	16	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	89-129	1.72	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	86.1-125	0.481	16.7	
Total Xylenes	5.95	0.150	mg/kg	6.00		99.2	88.2-128	1.31	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3062110 - General Prep - Organics**Blank (3062110-BLK1)**

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	41.2		mg/kg	49.6		83.1	48.2-134		
Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0		90.0	49.1-148		

LCS (3062110-BS1)

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	173	10.0	mg/kg	200		86.3	78.5-124		
DRO >C10-C28	162	10.0	mg/kg	200		81.0	72.5-126		
Total TPH C6-C28	335	10.0	mg/kg	400		83.6	77.6-123		
Surrogate: 1-Chlorooctane	45.5		mg/kg	49.6		91.8	48.2-134		
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	49.1-148		

LCS Dup (3062110-BS1)

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	167	10.0	mg/kg	200		83.6	78.5-124	3.25	17.7
DRO >C10-C28	154	10.0	mg/kg	200		77.0	72.5-126	5.05	21
Total TPH C6-C28	321	10.0	mg/kg	400		80.3	77.6-123	4.12	18.5
Surrogate: 1-Chlorooctane	44.3		mg/kg	49.6		89.4	48.2-134		
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		94.0	49.1-148		

Batch 3062111 - General Prep - Organics**Blank (3062111-BLK1)**

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	39.7		mg/kg	49.6		80.2	48.2-134		
Surrogate: 1-Chlorooctadecane	40.3		mg/kg	50.0		80.5	49.1-148		

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Analytical Results For:

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

Project: OCOTILLO 6-31 STATE COM WCB
Project Number: 237253
Project Manager: BECKY HASKELL
Fax To:

Reported:
26-Jun-23 09:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3062111 - General Prep - Organics**LCS (3062111-BS1)**

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	168	10.0	mg/kg	200		84.1	78.5-124			
DRO >C10-C28	146	10.0	mg/kg	200		73.0	72.5-126			
Total TPH C6-C28	314	10.0	mg/kg	400		78.6	77.6-123			
Surrogate: 1-Chlorooctane	43.0		mg/kg	49.6		86.7	48.2-134			
Surrogate: 1-Chlorooctadecane	45.7		mg/kg	50.0		91.4	49.1-148			

LCS Dup (3062111-BSD1)

Prepared & Analyzed: 21-Jun-23

GRO C6-C10	172	10.0	mg/kg	200		85.8	78.5-124	2.06	17.7	
DRO >C10-C28	156	10.0	mg/kg	200		78.2	72.5-126	6.77	21	
Total TPH C6-C28	328	10.0	mg/kg	400		82.0	77.6-123	4.27	18.5	
Surrogate: 1-Chlorooctane	43.4		mg/kg	49.6		87.5	48.2-134			
Surrogate: 1-Chlorooctadecane	41.8		mg/kg	50.0		83.6	49.1-148			

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 702204

Page 1 of 1

Page 15 of 15

[illegible]



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

June 15, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OCOTILLO 6-31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 06/12/23 13:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DH - 1 (0'-0.5') (H232986-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DH - 2 (0'-0.5') (H232986-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/13/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 BECKY HASKELL
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: OCOTILLO 6-31 STATE COM
 Project Number: 237253 (WCB #002H)
 Project Location: EARTHSTONE - EDDY COUNTY

Sampling Date: 06/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DH - 3 (0'-0.5') (H232986-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.22	111	2.00	4.61	
Toluene*	<0.050	0.050	06/13/2023	ND	2.17	109	2.00	5.71	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.15	107	2.00	4.30	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.53	109	6.00	4.07	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	06/13/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	158	78.8	200	26.6	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	166	83.2	200	24.2	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No. _____

H232986

Page 6 of 6


Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments										
Program: UST/PS	<input type="checkbox"/>	PR	<input type="checkbox"/>	Brownfie	<input type="checkbox"/>	S	R	<input type="checkbox"/>	Super	<input type="checkbox"/>
State of Project:										
Reporting Level	<input type="checkbox"/>	Level	<input type="checkbox"/>	PST/U	<input type="checkbox"/>	TR	<input type="checkbox"/>	P	Le	<input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:						

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Kenny Han		4-12-23 1335	2		
3			4		
5			10		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 248851

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 248851
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Final remediation and reclamation/revegetation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.	2/14/2024