<u>District I</u> 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 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	nAPP2315638319
District RP	
Facility ID	
Application ID	

Release Notification

			Res	ponsit	ole Party	y		
Responsible Party Earthstone Operating, LLC					OGRID 33	31165		
Contact Name Chris Martin				Contact Telephone 432-253-9998 Ext. 2653				
Contact ema	il cmartin@	@earthstoneene	rgy.com		Incident #	(assigned by OCD)	nAPP2315638319	
Contact mai	ling address	600 N. Marien	feld, Suite 100	00, Mid	lland, TX	79701		
			Location	of R	elease So	ource		
Latitude 32.3	311351			,	Longitude <u>-</u>	104.286988		
			(NAD 83 in de	ecimal deg	rees to 5 decim	nal places)		
Site Name D	ark Canyo	n 15-22 State V	VCB 2H		Site Type S	Separator		
Date Release	Discovered	5/24/23			API# (if app	licable) 30-015-	-44538	
Unit Letter	Section	Township	Range		Coun	tv]	
D	15	23S	26E	Eddy		ity		
Surface Owne		Federal Tr	Nature and	d Vol			volumes provided below)	
Crude Oil		Volume Release				Volume Recovered (bbls)		
Produced	Water	Volume Release				Volume Recovered (bbls) 15		
Is the concentration of dissolved chlorid produced water >10,000 mg/l?			chloride	in the	the Yes No			
Condensa	nte	Volume Release	d (bbls)			Volume Recovered (bbls)		
Natural G	las	Volume Release	d (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)				Volume/Weig	ght Recovered (provide units)			
		e under separate lace nipple.	or blew a pin s	size hol	e causing	a mess. Shut	well in, drain separator, blow	

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Page 2 Oil Conservation Division

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Incident ID	nAPP2315638319
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Facility ID	
Application ID	

W	ICYPS See Leaves (2) Leaves				
Was this a major release as defined by	If YES, for what reason(s) does the respon	isible party consider this a major release?			
19.15.29.7(A) NMAC?					
, , , , , , , , , , , , , , , , , , , ,					
☐ Yes ⊠ No					
If YES, was immediate no	Lotice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?			
11 1 20, 1140 1111110014100 11	given to une code. By whomive to wi	(prone, cross, cos)			
	Initial R	esnonse			
		es points c			
The responsible	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury			
The source of the rele	ease has been stopped.				
The impacted area ha	s been secured to protect human health and	the environment.			
	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.			
		-			
<u> </u>	ecoverable materials have been removed an				
If all the actions described	d above have <u>not</u> been undertaken, explain	why:			
Per 10 15 20 8 R (4) NM	AC the responsible party may commence r	emediation immediately after discovery of a release. If remediation			
		efforts have been successfully completed or if the release occurred			
- 1		lease attach all information needed for closure evaluation.			
I hereby certify that the info	rmation 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 noti	fications and perform corrective actions for releases which may endanger			
		OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In			
		responsibility for compliance with any other federal, state, or local laws			
and/or regulations.					
District Name Dahaga	o Haghall	Till. Conion Duciost Monogon			
Printed Name: _Redecci	a Haskell	Title: <u>Senior Project Manager</u>			
	0				
Signature: Rebes	cen Haskell	Date: <u>6/5/23</u>			
Signature.		Date0/3/23			
email: bhaskell@ntol	lobal.com	Telephone: 432-766-1918			
_ <u>====================================</u>					
OCD Orly					
OCD Only					
Received by: Date:					

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Incident ID	nAPP2315638319
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	unknown (ft bgs)				
Did this release impact groundwater or surface water?					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No				
Are the lateral extents of the release overlying a subsurface mine?					
Are the lateral extents of the release overlying an unstable area such as karst geology?	⊠ Yes □ No				
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No				
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of so 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 well 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 	ls.				

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.

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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:Jeffrey Kindley	Title:Senior Project Manager/Geologist						
Signature:							
email: <u>jkindley@ntglobal.com</u> Telephone: _(432) 230-0920							
OCD Only							
Received by: Shelly Wells Date: 10/31/2023							

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Incident ID nAPP2315638319
District RP
Facility ID
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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.

1 1 beared site and sampling diagram as deserred in 19:15:29:1	✓ 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							
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in						
_	Title:Senior Project Manager/Geologist						
nature: Jeff Kindley Date: _10-30/23							
Signature: Jeff Kindley	Date:10-30/23						
Signature:eff Kindley email:jkindley@ntglobal.com	Date:10-30/23						
Signature:	Date:10-30/23						
email:jkindley@ntglobal.com	Date:10-30/23 Telephone: _(432)-230-0920						
Signature:	Telephone: _(432)-230-0920						
OCD Only Received by: _Shelly Wells Closure approval by the OCD does not relieve the responsible party	Date:(432)-230-0920 Date:						
OCD Only Received by: Shelly Wells Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface of the contamination of th	Date:10/31/2023 Of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.						

<u>District I</u> 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 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	nAPP2315638319
District RP	
Facility ID	
Application ID	

Release Notification

			Res	ponsib	ne Party	y		
Responsible Party Earthstone Operating, LLC				OGRID 331165				
Contact Name Chris Martin				Contact Telephone 432-253-9998 Ext. 2653				
Contact emai	il cmartin@	@earthstoneene	rgy.com		Incident #	(assigned by OCD)	nAPP2315638319	
Contact mai	ling address	600 N. Marien	feld, Suite 100	00, Mid	land, TX	79701		
			Location	n of Re	elease So	ource		
Latitude 32.3	311351			I	Longitude -	104.286988		
			(NAD 83 in d		rees to 5 decin			
Site Name D	ark Canyo	on 15-22 State V	WCB 2H		Site Type S	Separator		
Date Release	Discovered	5/24/23			API# (if app	licable) 30-015-	-44538	
Unit Letter	Section	Township	Range		Coun	t=7		
D D	15	23S	26E	Eddy	County Eddy			
Surface Owner		Federal Tr	Nature an	nd Volu			volumes provided below)	
Crude Oil		Volume Release				Volume Recovered (bbls)		
Produced	Water	Volume Release	ed (bbls) 20			Volume Recovered (bbls) 15		
		Is the concentrate produced water	tion of dissolved >10,000 mg/l?	chloride	in the	⊠ Yes □ No		
Condensa	ite	Volume Release				Volume Recovered (bbls)		
☐ Natural G	las	Volume Release	ed (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)			de units)	ts) Volume/Weight Recovered (provide units)				
		e under separate lace nipple.	or blew a pin s	size hole	e causing	a mess. Shut	well in, drain separator, blow	

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the respo	nsible party consider this a major release?
If YES, was immediate no	otice given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
Released materials ha	s been secured to protect human health and we been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
-	ecoverable materials have been removed and above have <u>not</u> been undertaken, explain	<u> </u>
has begun, please attach within a lined containmer	a narrative of actions to date. If remedial at area (see 19.15.29.11(A)(5)(a) NMAC),	remediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release not ment. The acceptance of a C-141 report by the of ate and remediate contamination that pose a thr	best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: _Rebecca	a Haskell	Title: Senior Project Manager
Signature: Rebes	een Haskell	Date: <u>6/5/23</u>
email: <u>bhaskell@ntg</u> l	<u>obal.com</u>	Telephone: <u>432-766-1918</u>
OCD Only		
Received by:		Date:

of New Mexico

Incident ID	nAPP2315638319
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	unknown (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	⊠ Yes □ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	ls.

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.

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Incident ID	nAPP2315638319
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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:Jeffrey Kindley	Title:Senior Project Manager/Geologist						
Signature: Jeff Kindley	Date:10/30/23						
email:jkindley@ntglobal.com	Telephone: _(432) 230-0920						
OCD Only							
Received by:	Date:						

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Incident ID	nAPP2315638319
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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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the cor accordance with 19.15.29.13 NMAC including notification to the Other Printed Name:Jeffrey Kindley	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially aditions that existed prior to the release or their final land use in
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



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

October 30, 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

Dark Canyon 15-22 State WCB 2H

Earthstone Operating, LLC

Site Location: Unit D, S15, T23S, R26E (Lat 32.311268°, Long -104.287721°)

Eddy County, New Mexico Incident ID: nAPP2315638319

1. Introduction

On behalf of Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Closure/Deferral Report for the NMOCD District 2 Office in Artesia, New Mexico for documentation of site assessment and remedial action activities at the Dark Canyon 15-22 State WCB 2H (Site). The Site is located within Unit Letter D, Section 15 of Township 23 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.311268° N latitude and -104.287721 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 May 24, 2003, due to a failed nipple beneath the separator. Approximately Twenty (20) barrels of produced water were released with fifteen (15) bbls recovered for a net loss of five (5) bbls. Upon discovery, the wells were shut-in, the separator drained, faulty nipple was replaced, and the area secured. The release footprint is shown on Figure 3. The Release Notification Site Assessment/Characterization, and Closure portions of Form C-141 for incident number nAPP2315638319 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.

Creating a Better Environment For Oil & Gas Operations

Mr. Mike Bratcher October 30, 2023 Page 2 of 5

According to the Karst map the site is located within a Critical 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)
Critical 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 June 19, 2023, NTGE was on-site to conduct an initial delineation assessment whereby three (3) vertical sample points (V-1 through V-3) and four (4) horizontal sample points (H-1 through H-4) were installed in order to delineate the area. The samples were collected from depths ranging from zero (0) to a maximum of four and a half (4.5) 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 V-2 at surface to 0.5 ft bgs, 2-4.5 ft bgs and V-3 from 0-4.5 ft bgs exceeded the chloride limits for the Table 1 standards.

On June 21, 2023, NTGE was on-site to conduct an additional delineation assessment whereby one (1) vertical sample point (V-4) and two (2) horizontal sample points (H-5 and H-6) were installed in order further delineate the area. The samples were collected from depths ranging from zero (0) to a maximum of four and a half (4.5) feet (ft) below ground surface (bgs) with a geotechnical hand auger and submitted to Cardinal for analyses of BTEX, TPH and chloride. Analysis indicated that all samples were below the Table 1 standards for all analytes analyzed.

On June 28, 2023, NTGE was on-site to conduct a final delineation assessment whereby three (3) additional vertical sample points (V-5 through V-7) were installed to complete the

A NTG

Mr. Mike Bratcher October 30, 2023 Page 3 of 5

delineation of the area. The samples were collected from depths ranging from zero (0) to a maximum of four and a half (4.5) ft bgs with a geotechnical hand auger and submitted to Cardinal for analyses of BTEX, TPH and chloride. Analytical results indicated that V-7 exceeded the Table 1 Standards for chlorides at zero (0) to half a foot (0.5) ft bgs. All remaining analytical results were below the 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.

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 September 5, 2023, to collect eleven (11) base composite samples (CS-1 through CS-11) ranging from depths of one (1) ft bgs to four (4) ft bgs and ten (10) sidewall samples (SW-1 through SW-10) ranged from surface to four (4) ft bgs and submitted to Cardinal Labs for analysis. Analytical results indicated that sixteen (16) of the samples (CS-1 through CS-5, CS-7 through CS-11, SW-1, SW-4, SW-5, SW-7, SW-8 and SW-10) exhibited chloride concentrations above the Table 1 Closure Criteria. In addition, CS-1 exhibited TPH concentrations above the Table 1 Closure Criteria.

On September 25, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby twelve (12) additional composite bottom hole confirmation samples (CS-1A through CS-5A, CS-7A through CS-11A, CS-12 and CS-13) and eleven (11) sidewall samples (SW-1A, SW-2A, SW-4A, SW-5A, SW-7A, SW-8A, SW 10A and SW-11 through SW-14) were collected and submitted to Cardinal Labs for analysis. Analytical results for soil samples CS-6A, CS-11A and SW-7A exhibited chloride concentrations above the Table 1 Closure Criteria.

On October 12, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby two (2) additional composite bottom hole confirmation samples (CS-8B and CS-14) and two (2) sidewall samples (SW-8B and SW-9A) were collected and submitted to Cardinal Labs for analysis. In addition, two (2) deferral vertical samples (DV-1 @ 3-3.5' and 4-4.5') and three (3) deferral horizontal samples (DH-1 through DH-3) at depths ranging from zero to half a foot (0-0.5) ft bgs were collected around the separators and submitted to Cardinal Labs for analysis. Soil samples CS-8B, CS-14 and SW-8B exhibited chloride concentrations above the Table 1 Closure Criteria. All deferral samples were below the Table 1 Closure Criteria.

On October 18, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event to collect two (2) composite bottom hole confirmation samples (CS-8C and CS-14A) and four (4) sidewall samples (SW-8C, SW-9B, SW-15A and SW-

A NTG

Mr. Mike Bratcher October 30, 2023 Page 4 of 5

16). The samples were collected and submitted to Cardinal Labs for analysis. All sample analytical concentration results were below the Table 1 Closure Criteria. See Table 2 for the analytical results and Figure 4 for the confirmation sampling locations. Soil sample SW-8C exhibited chloride concentrations above the Table 1 Closure Criteria. 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 September 22 and September 28, 2023, approximately 331.69 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/Deferral Request

Based on the assessment, remediation efforts, and requisite confirmation sampling, the Site is in compliance with the NMOCD regulatory standards with the exception of the areas of CS-11A, SW-7A, and SW-8C adjacent to the onsite separators. Further remediation of the area around the separators was not feasible due to tight quarters and possible destabilization of the equipment. As such, an area measuring approximately four (4) ft by ten (10) ft or eighty-seven and a half (87.5) ft² was left in-situ. Deferral samples DV-1 and DH-1 through DH3 were placed within and adjacent to the separators and impact area to verify the soils have not been impacted. All these deferral samples were below the Table 1 Closure Criteria standards. Based on the supporting documentation provided in this report, NTGE, on behalf of Earthstone respectfully requests closure for nAPP2315638319 with deferral of soils left in-situ above NMOCD standards near soil samples CS-11A, SW-7A, and SW-8C, until time of abandonment or upgrade of equipment allows for accessibility to the area. The Release Notification, Site Assessment/Characterization, and Closure portion of NMOCD form C-141 area included in 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

eff Kindley

Jeff Kindley, P.G

Senior Project Manager/Geologist

Attachments:

Figure 1 – Site Location Map

NTGE Project No.: 237454



Mr. Mike Bratcher October 30, 2023 Page 5 of 5

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

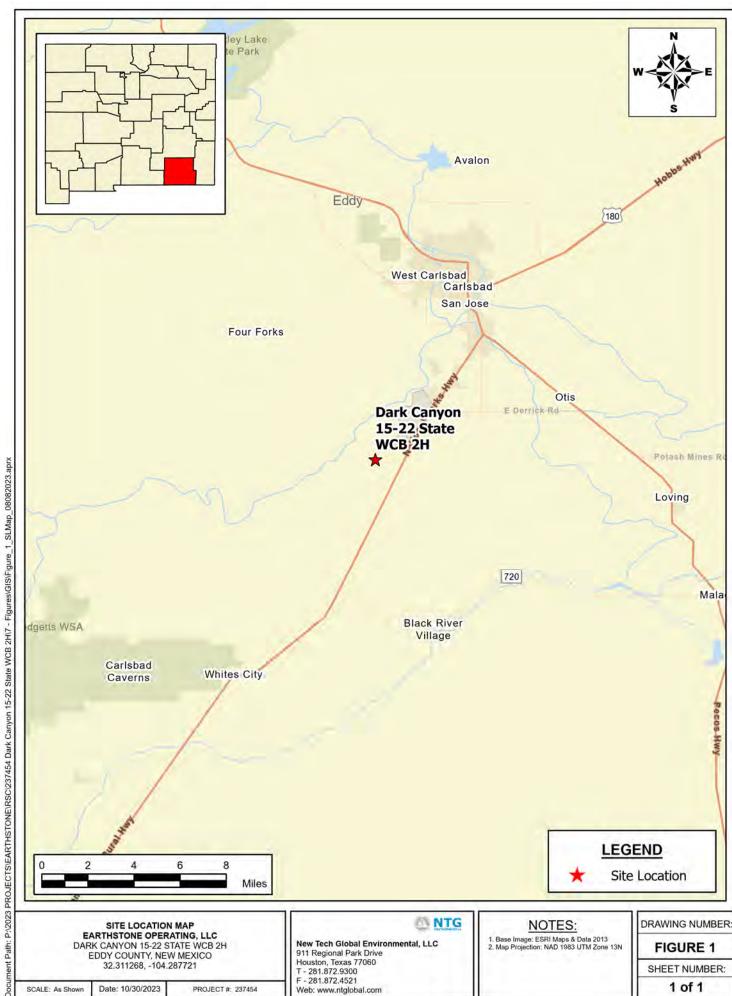
Appendix B – Photographic Log

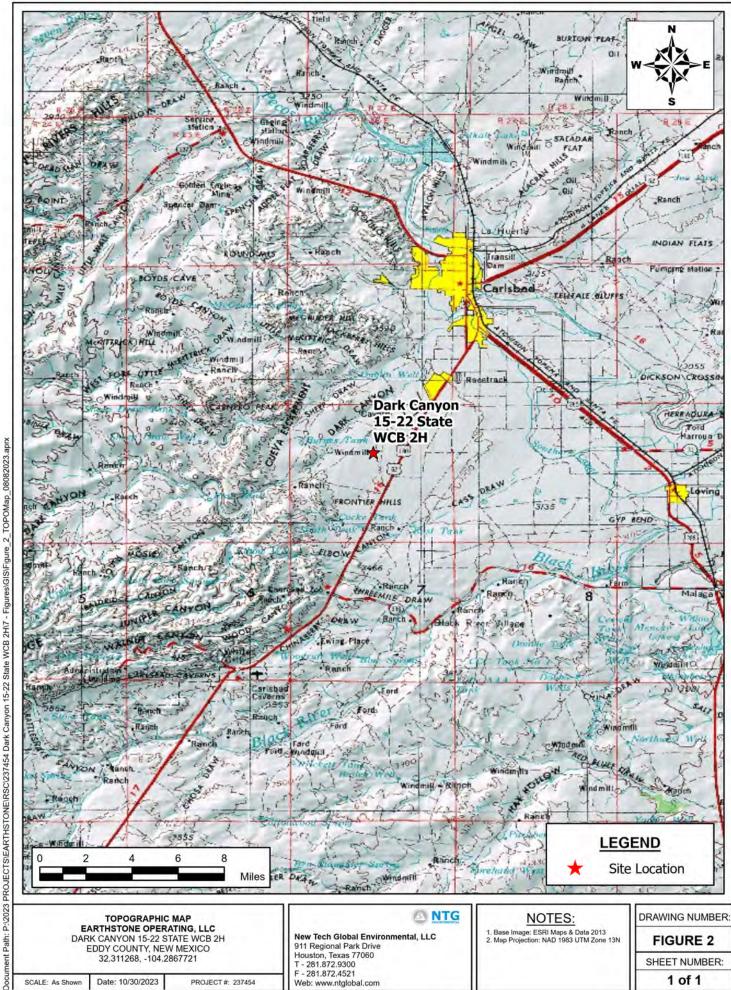
Appendix C – Confirmation Sampling Notifications

Appendix D – Laboratory Reports and Chain-of-Custody Documents

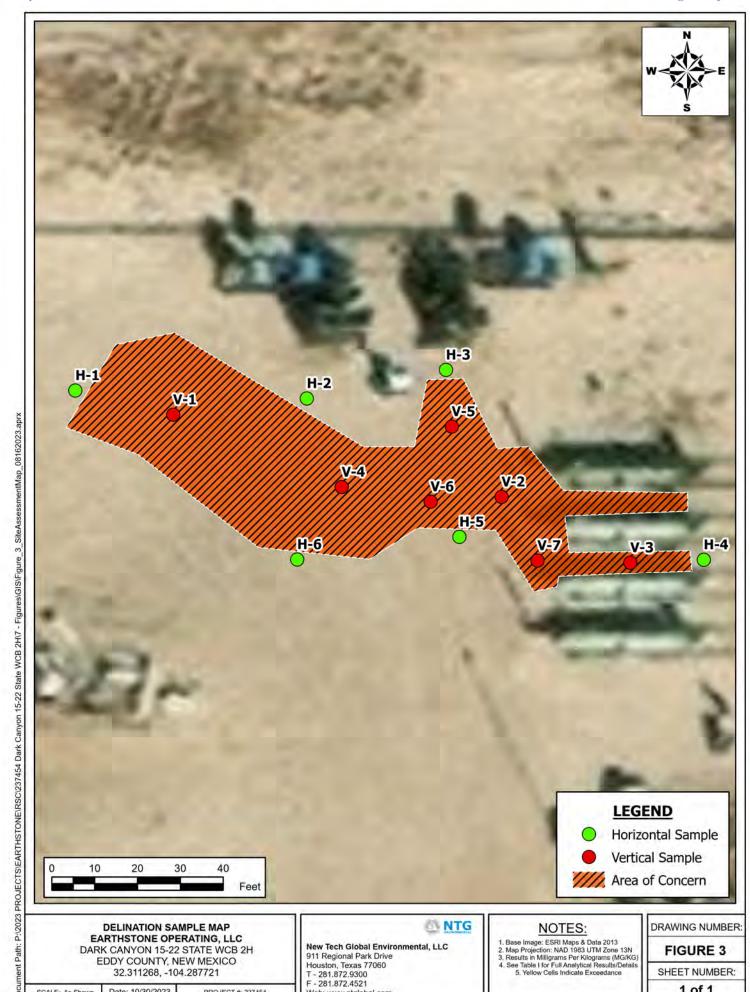
A NTG

FIGURES





1 of 1



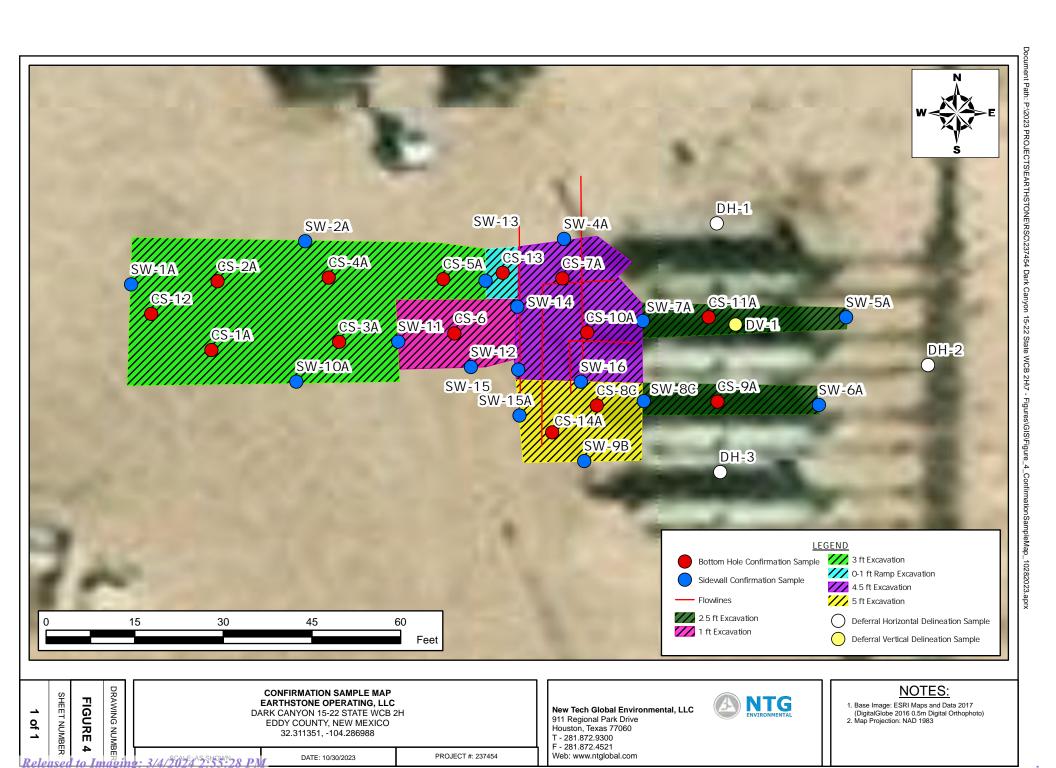
Released to Imaging: 3/4/2024 2:55:28 PM

Date: 10/30/2023

PROJECT #: 237454

Web: www.ntglobal.com

SCALE: As Shown





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TABLES

Table 1
Summary of Soil Analytical Data - Initial Assesment Samples
Dark Canyon 15-22 State WCB 2H
Earthstone Operating, LLC
Eddy, County, New Mexico

								ТРН					
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(It bgs)	(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 De	epth to Groun	dwater 19.15.29	NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
						Delineatio	n Samples						
	6/19/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
V-1	6/19/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	6/19/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	6/19/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840
	6/19/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
V-2	6/19/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
	6/19/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,730
	6/21/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
	6/19/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,880
	6/19/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
V-3	6/19/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
	6/19/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,320
	6/19/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
	6/21/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
V-4	6/21/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
V-4	6/21/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
	6/21/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	6/28/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
V-5	6/28/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
V-3	6/28/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	6/28/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	6/28/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
V-6	6/28/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	6/28/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
V-7	6/28/2023	(0-0.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
V-/	6/28/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
H-1	6/19/2023	(1-1.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
H-2	6/19/2023	(1-1.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.2	<10.0	<10.0	11.2	112
H-3	6/19/2023	(1-1.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
H-4	6/19/2023	(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	6/21/2023	(1-1.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
H-6	6/21/2023	(1-1.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

Notes:

- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

Semple Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 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 Below Grade).
- 9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Dark Canyon 15-22 State WCB 2H
Earthstone Operating, LLC
Eddy County, New Mexico

Sample Date Depth Chloride Ethylbenzene Xylenes STEX GRO DRO GRO + DRO DRO GRO + DRO CRO		ТРН												
Img/reg Img/	Sample ID	Sample Date	•	Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ			GRO + DRO	MRO	GRO/DRO/MRO	Chloride
			(It bgs)	(mg/kg)	(mg/kg)			, ,,					(mg/kg)	(mg/kg)
				-			I Closure Crite		feet Dept	h to Ground	water 19.15.29	NMAC		
C5-14 377-9023 1				10 mg/kg									100 mg/kg	600 mg/kg
C5-1A 9/25/2023 3' 40,050 40,		0 1 2022		050	050		_		<u></u>	\ 72			204	100
C52A 9757023 3'			2'											,
C5-2A 9759/2023 3' 0.0550 0.0				_				_	_			_		
FS-2									_	_				
CS-3A 9/25/2023 3'				_					_		_	_		
C5-4 3795923 x 70980 70														
C5-4A 9/25/2023 3' < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050		_							_	_				_
CS-5A 9/25/2023 3' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.										_				
C5-6 9/5/2023 1' < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 <	CS-5	9/5/2023	1	<0.050	<0.05 0	<0.050	<0.150	<0.300	≥10.Q	35.7_	35.7	23.1	58.8	1,090
C5-74 97579023 4-1 C0-860 C0-	CS-5A	9/25/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-7A 9/25/2023 4.5' < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050	CS-6	9/5/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
C5-8	CS-7	9/5/2023	4	<0.050	< 0.05 0	<0.050	<0:150	₹0:300	₹1 0. 0	×100	₹10.0	×100	₹10.0	2,240
C5-6A 9/25/2023 2.5° C0-65Q C	CS-7A	9/25/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
C5-88	CS-8	9/5/2023		₹0:050	₹0:05 0	<0.050	₹0:150	<0:300	₹1 0. 0	₹10.0	₹10.0	₹10.0	₹10.0	4,360
C5-8C 10/18/2023 5' <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.		9/25/2023		₹0:050	<0.050	<0.050	₹0:15 0	<0.300	≥10.0	₹10.0	₹10.0	₹10.0	₹10.0	6,800
C5-9 975/9023 2 C0-950	CS-8B	10/12/2023		<0.050	₹0.050	<0.050	<0.150	₹0.300	≥10.Q	₹10.0	₹10.0	₹10.0	₹10.0	608
CS-9A 9/25/2023 2.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <	CS-8C	10/18/2023		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	_	<10.0	352
C5-10 975/2023 4.5 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.														
CS-10A 9/25/2023 4.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050		_	2.5'	_					_		_			
C5-11			#						_					
CS-11A 9/25/2023 2.5' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <										_				
CS-12 9/25/2023 3' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.0										_		_ `		
CS-13 (Ramp) 9/25/2023 0-1' <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <1		· ·		+										•
C5-14		-, -, -												
CS-14A 10/18/2023 5' <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10	CS-13 (Ramp)	<u> </u>	_	_	_			_	_	_		_		
Sidewall Confirmation Samples Sidewall Confirmation Samples SW-1 9/5/2023 0-1 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.050 < 0.05	CS 144													
SW-1 9/5/2023 0-1' <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <0.050 <td>CS-14A</td> <td>10/18/2023</td> <td>5</td> <td><0.050</td> <td><0.050</td> <td></td> <td></td> <td></td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td><10.0</td> <td>384</td>	CS-14A	10/18/2023	5	<0.050	<0.050				<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-1A 9/25/2023 0-3' < 0.050 < 0.050 < 0.150 < 0.300 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 1														
SW-2 9/5/2023 0-1' <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0														
SW-2A 9/25/2023 0-3' <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0				_	_				_	_	_	_		
SW-3 9/5/2023 1-4' <0.050 <0.050 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <11.4 <11.4 <10.0 <11.4 288							_			_				
SW-4 9/5/2023 0-4' <0.050 <0.050 <0.150 <0.150 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <11.4 <11.4 <10.0 <11.4 288			_	_					_	_	_			
SW-4A 9/25/2023 0-4.5' <0.050 <0.050 <0.050 <0.150 <0.300 <10.0 11.4 11.4 <10.0 11.4 288			_	_										
										_		_ ` `		
011 - 01016- 0 E 000-	5₩-5	9/5/2023	0-2'	₹0.050	<0.050	<0.050	₹0.150	₹0:300	₹10.0	₹10.0	₹10.0	₹10.0	10.0	1,710

Table 2

Summary of Soil Analytical Data - Confirmation Assessment Samples Dark Canyon 15-22 State WCB 2H Earthstone Operating, LLC Eddy County, New Mexico

	TPH													
Sample ID	Sample Date	Depth (ft bas)	Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride	
		(ft bgs)	(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-5A	9/25/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-6	9/5/2023	0-2'	<0.050	<0.050	<0.050	<0.150	₹0:300	≥10.0	₹10.0	₹10.0	₹1 0. 0	<10.0	432	
SW-6A	10/2/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
SW-7	9/5/2023	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	≥10.0	≥1 0. 0	₹10.0	₹10.0	₹10.0	1,640	
SW-7A	9/25/2023	2.5-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,600	
SW-8	9/5/2023	2-4'	< 0.05 0	< 0.05 0	<0.050	<0.150	₹0.300	≥10.0	₹10.0	₹10.0	₹10.0	₹10.0	2,920	
SW-8A	9/2 5/2 023	2.5-4.5'	< 0.05 0	< 0.05 0	< 0.05 0	<0:150	₹0:300	<u>>160</u>	\\\	₹10.0	<u></u>	₹10.0	32.0	
SW-8B	10/12/2023	2.5-4.5'	<0.050	<0.050	<0.050	<0.150	₹0:300	<u>></u> 164	<u></u>	₹10.0	<u></u>	<10.0	9,600	
SW-8C	10/18/2023	2.5'-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	24,000	
SW-9	9/5/2023	0-2'	< 0.05 0	<0:050	<0.050	< 0.15 0	₹0:300	≥1 0. 0	<u> </u>	₹10.0	<u></u>	<10.0	432	
SW-9A	10/12/2023	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	≥10.0	≥10.0	≥10.0	<u>>16.6</u>	<10.0	112	
SW-9B	10/18/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SW-10	9/ 5/20 23	0-1'	<0.050	<0.050	<0.050	<0.150	<0:300	≥10.0	<u>>10.0</u>	≥10.0	<u>>₹16-6</u>	<10.0	640	
SW-10A	9/25/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352	
SW-11	9/25/2023	1-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
SW-12	9/25/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SW-13	9/25/2023	1-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
SW-14	9/25/2023	1-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
SW-15	10/2/2023	0-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
SW-15A	10/18/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-16	10/18/2023	4.5'-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
Deferral Samples														
DV-1	10/12/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352	
DV-1	10/12/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
DH-1	10/12/2023	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
DH-2	10/12/2023	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
DH-3	10/12/2023	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	

Notes:

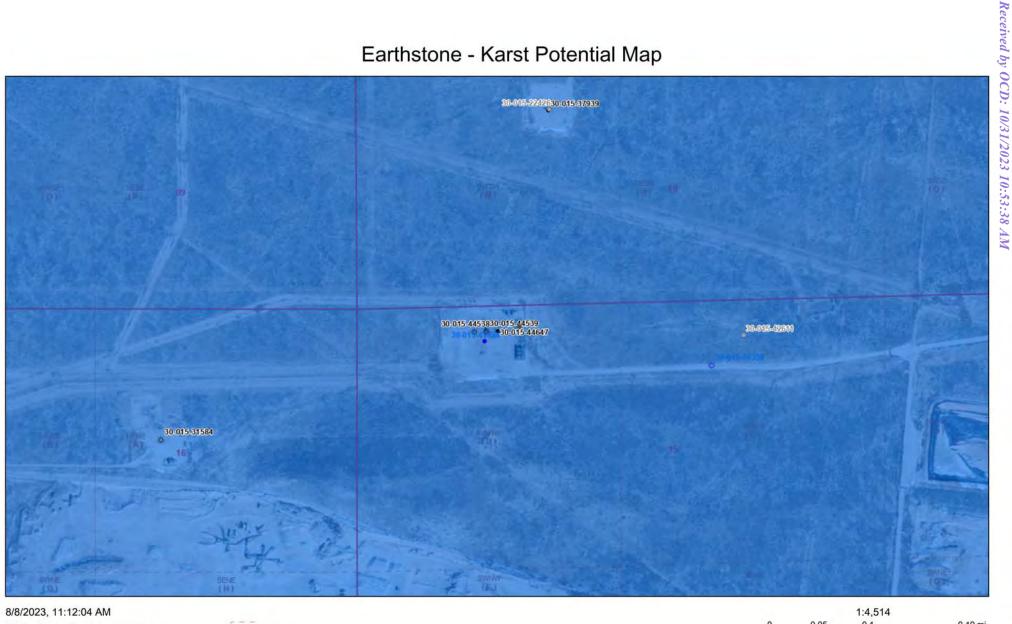
- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

Sample Point Excavated

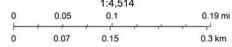
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- 9. --- Not Analyzed

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ADDENDIV A. CITE CHADACTEDIZATION DOCUMENTATION	
APPENDIX A: SITE CHARACTERIZATION DOCUMENTATION	

Earthstone - Karst Potential Map





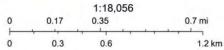


BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD, Esri, HERE, Garmin, iPC, Maxar, BLM

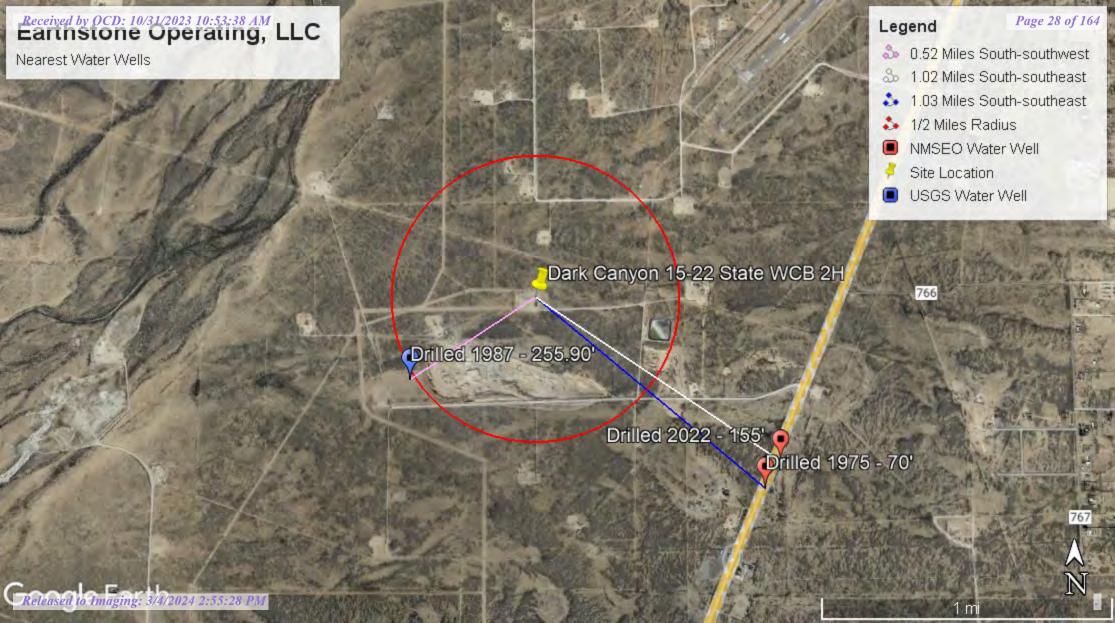
OSE POD Locations Map

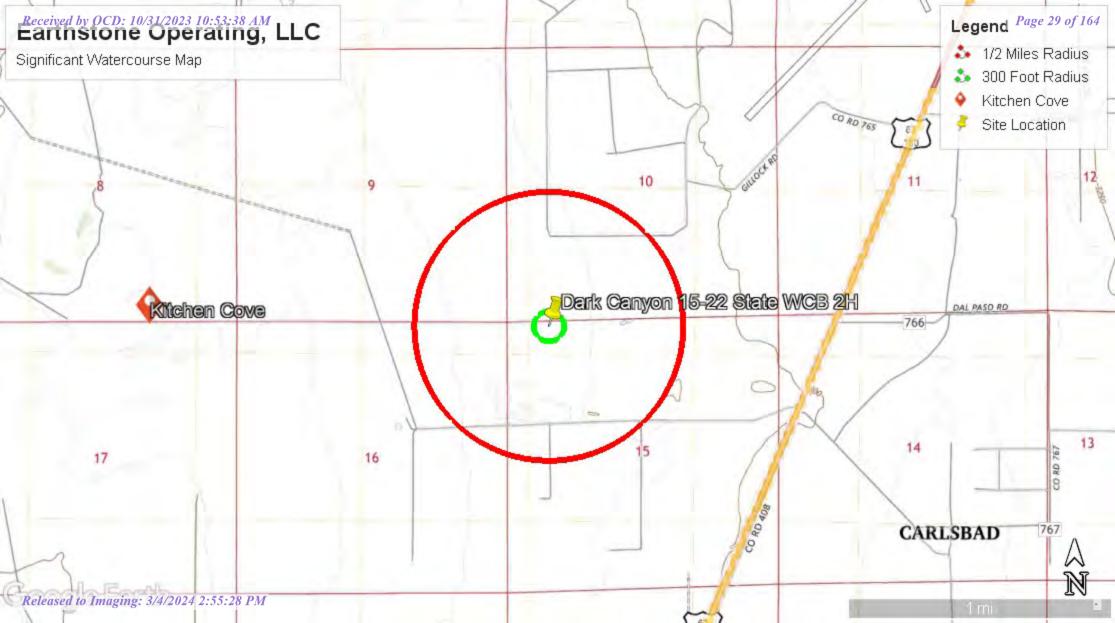






Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar





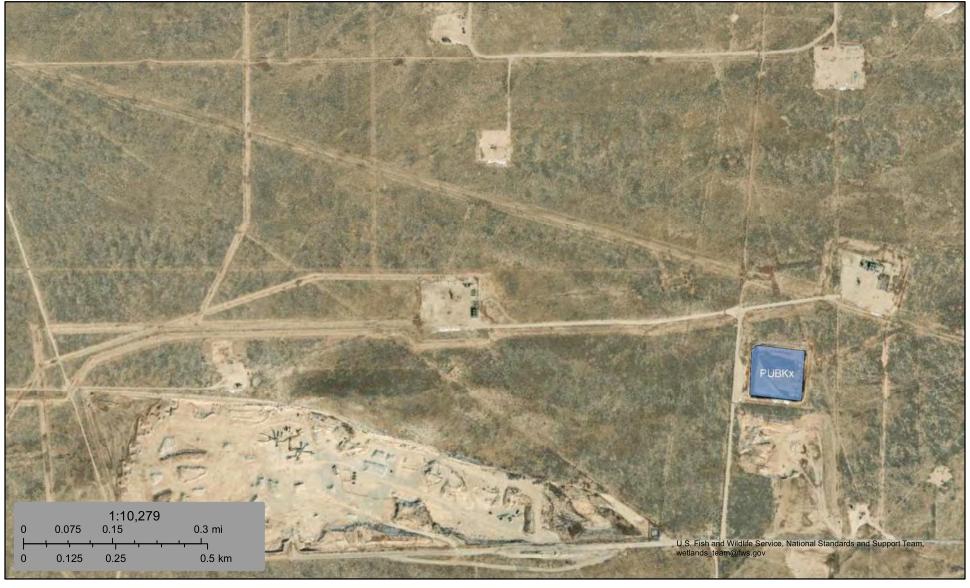
Received by OCD: 10/31/2023 10:53:38 AM



U.S. Fish and Wildlife Service

National Wetlands Inventory

Earthstone - Dark Canyon



August 8, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

water Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond



Other

Riverine

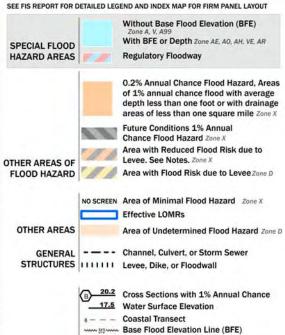
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette





Legend



Limit of Study **Jurisdiction Boundary** Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature

Digital Data Available

No Digital Data Available

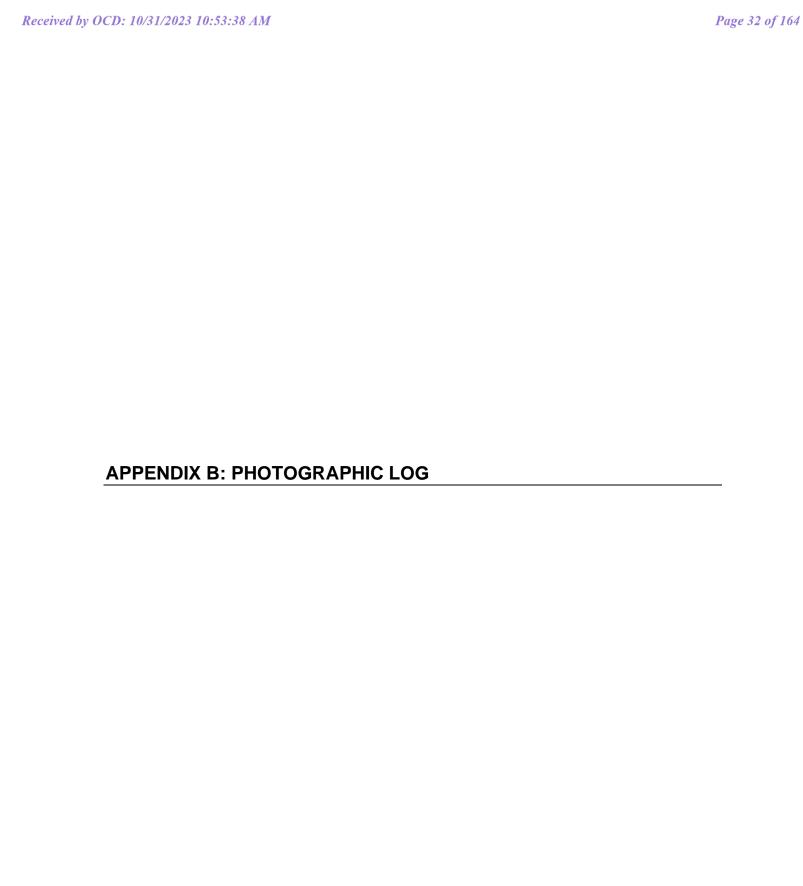
MAP PANELS Unmapped

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 8/8/2023 at 12:15 PM 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.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 1

Facility: Dark Canyon 15-22 State WCB 2H

County: Eddy County, New Mexico

Description: Impacted Area



Photograph No. 2

Facility: Dark Canyon 15-22 State WCB 2H

County: Eddy County, New Mexico

Description: Impacted Area



Photograph No. 3

Facility: Dark Canyon 15-22 State WCB 2H

County: Eddy County, New Mexico

Description: Impacted Area



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 4

Facility:

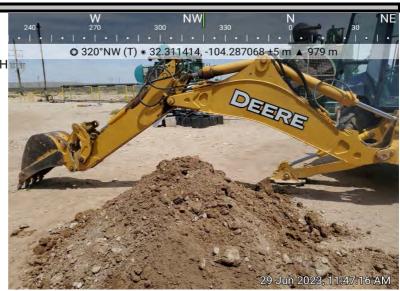
Dark Canyon 15-22 State WCB 2H

County:

Eddy County, New Mexico

Description:

Initial Assessment Activities



Photograph No. 5

Facility:

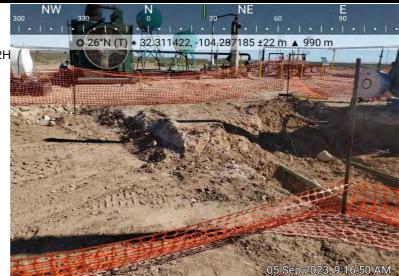
Dark Canyon 15-22 State WCB 2H

County:

Eddy County, New Mexico

Description:

Remedial Action Activities



Photograph No. 6

Facility:

Dark Canyon 15-22 State WCB 2H

County:

Eddy County, New Mexico

Description:

Remedial Action Activities



eceived by OCD: 10/31/2023 10:53:38 AM	Page 35 of 164
ADDENDLY C. CONFIDMATION CAMPLING MOTIFICATIONS	
APPENDIX C: CONFIRMATION SAMPLING NOTIFICATIONS	

Grant Gardner

From: Becky Haskell

Sent: Wednesday, July 12, 2023 5:10 PM

To: ocd.enviro@emnrd.nm.gov

Cc: Becky Haskell; Grant Gardner; Ricardo Baer; NTG Env Carlsbad

Subject: Sampling Notification Dark Canyon 15-22 State WCB 2H (nAPP2315638319)

Good Morning,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Lea County, NM nAPP2315638319

Sampling will begin at 9:00 a.m. on Monday, July 17, 2023, and continue through Friday, July 21, 2023. Please let me know if you have any questions.

Thank You,

Becky Haskell

Senior Project Manager | **NTG Environmental** M: 432-766-1918 | <u>bhaskell@ntglobal.com</u> 701 Tradewinds Blvd, Suite C Midland, TX 79706



Grant Gardner

From: Becky Haskell

Sent: Thursday, July 13, 2023 3:01 PM

To: Grant Gardner

Subject: FW: [EXTERNAL] Sampling Notification Dark Canyon 15-22 State WCB 2H (nAPP2315638319)

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: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<Robert.Hamlet@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Sampling Notification Dark Canyon 15-22 State WCB 2H (nAPP2315638319)

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

Becky,

The OCD has received your notification. 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.

JΗ

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>





From: Becky Haskell < bhaskell@ntglobal.com > Sent: Wednesday, July 12, 2023 4:10 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >

Cc: Becky Haskell < bhaskell@ntglobal.com; Grant Gardner < GGardner@ntglobal.com; Ricardo Baer

<<u>RBaer@ntglobal.com</u>>; NTG Env Carlsbad <<u>ntg_env_carlsbad@ntglobal.com</u>>

Subject: [EXTERNAL] Sampling Notification Dark Canyon 15-22 State WCB 2H (nAPP2315638319)

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.

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Lea County, NM nAPP2315638319

Sampling will begin at 9:00 a.m. on Monday, July 17, 2023, and continue through Friday, July 21, 2023. Please let me know if you have any questions.

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: Wells, Shelly, EMNRD
To: Ricardo Baer

 Cc:
 Bratcher, Michael, EMNRD: Hamlet, Robert, EMNRD

 Subject:
 RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

 Date:
 Wednesday, August 2, 2023 2:11:49 PM

Attachments: image001.png

image002.png

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

Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Administrative Permitting Program EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly. Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, August 2, 2023 12:20 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM

nAPP2315638319

Sampling will begin at 8:00 a.m. on Monday, Aug 7, 2023, and continue through Friday, August 11, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006



From: Wells, Shelly, EMNRD

To: Ricardo Baer

 Cc:
 Bratcher, Michael, EMNRD: Hamlet, Robert, EMNRD

 Subject:
 RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

 Date:
 Wednesday, August 16, 2023 5:48:46 PM

Attachments: <u>image001.png</u>

image002.png

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

Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ricardo Baer <RBaer@ntglobal.com> Sent: Wednesday, August 16, 2023 4:18 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319 Sampling will begin at 8:00 a.m. on Monday, Aug 21, 2023, and continue through Friday, August 25, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com



From: Wells, Shelly, EMNRD

To: Ricardo Baer

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] FW: Dark Canyon 15-22 State WCB 2H

Date: Wednesday, August 23, 2023 5:38:32 PM

Attachments: <u>image001.png</u>

image002.png

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

Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly. Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ricardo Baer <RBaer@ntglobal.com> Sent: Wednesday, August 23, 2023 3:05 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] FW: Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319 Sampling will begin at 8:00 a.m. on Monday, Aug 28, 2023, and continue through Friday, September 1, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com



From: Wells, Shelly, EMNRD
To: Ricardo Baer

Cc: Bratcher, Michael, EMNRD: Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

Date: Wednesday, August 30, 2023 3:51:55 PM

Attachments: <u>image001.png</u>

image002.png

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

Good afternoon Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, August 30, 2023 2:17 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319 Sampling will begin at 8:00 a.m. on Tuesday, September 5, 2023, and continue through Friday, September 8, 2023. Please let me know if you have any questions.

Thank you,

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



From: <u>Buchanan, Michael, EMNRD</u>
To: <u>Ricardo Baer; Enviro, OCD, EMNRD</u>

Cc: Becky Haskell; NTG Env Carlsbad; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

Date: Wednesday, September 6, 2023 4:11:23 PM

Attachments: <u>image001.png</u>

image002.png

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

Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, September 6, 2023 2:17 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319

Sampling will begin at 8:00 a.m. on Monday, September 11, 2023, and continue through Friday, September 15, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist

(432) 556-2006





From: Rodgers, Scott, EMNRD

To: Ricardo Baer; Enviro, OCD, EMNRD

Cc: <u>Becky Haskell</u>; <u>NTG Env Carlsbad</u>; <u>Bratcher, Michael, EMNRD</u>; <u>Hamlet, Robert, EMNRD</u>

Subject: RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

Date: Wednesday, September 13, 2023 3:11:13 PM

Attachments: <u>image004.png</u>

image005.png

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

The OCD has received your notification. 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.

Thank you, Scott

Scott Rodgers • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd



From: Ricardo Baer < RBaer@ntglobal.com>
Sent: Wednesday, September 13, 2023 1:22 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM

nAPP2315638319

Sampling will begin at 8:00 a.m. on Monday, September 18, 2023, and continue through Friday, September 22, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com



From: Rodgers, Scott, EMNRD

To: Ricardo Baer; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Cc: <u>Becky Haskell; NTG Env Carlsbad</u>

Subject: RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

Date: Wednesday, September 20, 2023 3:25:15 PM

Attachments: <u>image002.png</u>

image003.png

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

The OCD has received your notification. 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.

Scott Rodgers • Environmental Specialist Environmental Bureau

EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113

505.469.1830 | scott.rodgers@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



From: Ricardo Baer < RBaer@ntglobal.com>
Sent: Wednesday, September 20, 2023 2:22 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319 Sampling will begin at 8:00 a.m. on Monday, September 25, 2023, and continue through Friday, September 29, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com



From: Rodgers, Scott, EMNRD

To: Ricardo Baer; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Cc: NTG Env Carlsbad; Becky Haskell

Subject: RE: [EXTERNAL] Dark Canyon 15-22 State WCB 2H Date: Wednesday, September 27, 2023 3:24:12 PM

Attachments: <u>image002.png</u>

image003.png

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

The OCD has received your notification. 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.

Scott Rodgers • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd



From: Ricardo Baer <RBaer@ntglobal.com>

Sent: Wednesday, September 27, 2023 2:08 PM

Subject: [EXTERNAL] Dark Canyon 15-22 State WCB 2H

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

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

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319 Sampling will begin at 8:00 a.m. on Monday, October 2, 2023, and continue through Friday, October 6, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com



From: Ricardo Baer

To: ocd.enviro@emnrd.nm.gov
Cc: Becky Haskell; NTG Env Carlsbad
Subject: Dark Canyon 15-22 State WCB 2H
Date: Wednesday, October 18, 2023 2:49:00 PM

Attachments: <u>image001.png</u>

image002.png

Good Afternoon,

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

Dark Canyon 15-22 State WCB 2H D-15-23S-26E Eddy, NM nAPP2315638319

Sampling will begin at 8:00 a.m. on Monday, October 23, 2023, and continue through Friday, October 27, 2023. Please let me know if you have any questions.

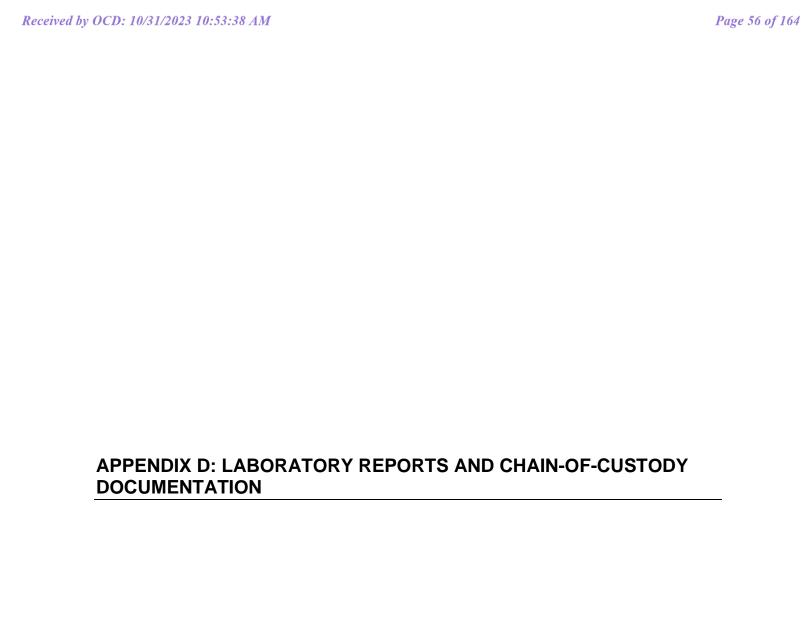
?

Thank you,

Ricardo Baer, CSHO² Project Scientist (432) 556-2006

Rbaer@ntglobal.com







June 26, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON 15-22 STATE WCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 06/21/23 14:50.

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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 1 (0-6") (H233216-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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

Celeg D. Keene



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 1 (1-1.5') (H233216-02)

BTEX 8021B

DILX GOZID	ıııg,	K9	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 1 (2-2.5') (H233216-03)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 2 (0-6") (H233216-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	70.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 2 (1-1.5') (H233216-05)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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Celey & Keene



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237454

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 2 (2-2.5') (H233216-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 2 (3-3.5') (H233216-07)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5730	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 2 (4-4.5') (H233216-08)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 237454 Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 3 (0-6") (H233216-09)

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	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 3 (1-1.5') (H233216-10)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 3 (2-2.5') (H233216-11)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 3 (3-3.5') (H233216-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.22	111	2.00	2.00	
Toluene*	<0.050	0.050	06/23/2023	ND	2.15	108	2.00	2.78	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.18	109	2.00	2.36	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.41	107	6.00	2.82	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 3 (4-4.5') (H233216-13)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 % 71.5-1.		4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	06/22/2023	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	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 4 (0-6") (H233216-14)

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	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	06/22/2023	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	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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Analytical Results For:

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

Fax To:

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 4 (1-1.5') (H233216-15)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 % 71.5-1.		4						
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	06/22/2023	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	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 4 (2-2.5') (H233216-16)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 4 (3-3.5') (H233216-17)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 1 (1-1.5') (H233216-18)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/21/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	188	93.9	200	8.50	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	188	94.0	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 2 (1-1.5') (H233216-19)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.15	108	2.00	2.30	
Toluene*	<0.050	0.050	06/22/2023	ND	2.11	106	2.00	2.16	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.10	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.40	107	6.00	3.21	
Total BTEX	<0.300	0.300	06/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	176	88.2	200	1.01	
DRO >C10-C28*	11.2	10.0	06/22/2023	ND	167	83.7	200	0.836	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 3 (1-1.5') (H233216-20)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	06/23/2023	ND	2.11	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.21	103	6.00	2.24	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	176	88.2	200	1.01	
DRO >C10-C28*	<10.0	10.0	06/23/2023	ND	167	83.7	200	0.836	
EXT DRO >C28-C36	<10.0	10.0	06/23/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/19/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 237454 Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 4 (0-6") (H233216-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	06/23/2023	ND	2.11	106	2.00	2.50	
Ethylbenzene*	< 0.050	0.050	06/23/2023	ND	2.06	103	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.21	103	6.00	2.24	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	176	88.2	200	1.01	
DRO >C10-C28*	<10.0	10.0	06/23/2023	ND	167	83.7	200	0.836	
EXT DRO >C28-C36	<10.0	10.0	06/23/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 5 (1-1.5') (H233216-22)

BTEX 8021B

DILX GOZID	11197	K9	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	06/23/2023	ND	2.11	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.21	103	6.00	2.24	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	176	88.2	200	1.01	
DRO >C10-C28*	<10.0	10.0	06/23/2023	ND	167	83.7	200	0.836	
EXT DRO >C28-C36	<10.0	10.0	06/23/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/21/2023 Sampling Date: 06/21/2023

Reported: 06/26/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: H - 6 (1-1.5') (H233216-23)

Analyte	Result								
	Nesult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.16	108	2.00	2.48	
Toluene*	<0.050	0.050	06/23/2023	ND	2.11	106	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	1.98	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.21	103	6.00	2.24	
Total BTEX	<0.300	0.300	06/23/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/22/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2023	ND	176	88.2	200	1.01	
DRO >C10-C28*	<10.0	10.0	06/23/2023	ND	167	83.7	200	0.836	
EXT DRO >C28-C36	<10.0	10.0	06/23/2023	ND					
Surrogate: 1-Chlorooctane	102 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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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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Mariager Becky Haskel Bill to: (if different) Chris Martin Company Name: NTG Environmental Company Name: Rearthstone Rearthstone State of Project: State of Projec	Revige Derky Haskel Bill to (if different) Chris Martin Page 2 of					+	+	-	Grab/	×	11:00	6/19/2023	-4.5')	V-3 (4
Mariager: Becky Haskell Bell to (if different) Chris Martin Work Order Comments ny Name: 701 Tradewinds Blvd. Company Name: Earthstone Earthstone Program: UST/PS PR Brownfiels R State of Project: state ZIP: Midland TX, 79701 Email: City, State ZIP: ANALYSIS REQUEST Preservative Comments Name: Dark Canyon 15-22 State WCB 2H Trum Around Preservative Comments ANALYSIS REQUEST Preservative Comments Name: Cady Co, New Mexico Due Date: Due Date: Preservative Comments ANALYSIS REQUEST Preservative Comments Lie RECEIPT Temp Blank: Ves. No. (Vis.) Under the day received by 1-80 pm. ANALYSIS REQUEST HyBo, Hb Nachtage Nachtage Nachtage Nacht	ENVIRONMENTAL Page 2 of Manager Becky Haskel Belt No.					+	-		Grab/	×	10:55	6/19/2023	-3.5')	V-3 (3
Manager Becky Haskel Bill to: (if different) Chris Martin Company Name: NTG Environmental Company Name: Company Name: Reduces: Company Name: Reduces: Company Name: Reduces: Company Name: Reduces: City, State ZIP: Conductor	ENTRONMENTAL Page 2 of Work Order No: Page 2 of Work Order No: Page 2 of Work Order No: Page 2 of Work Order Comments					+	+		Grab/	×	10:50	6/19/2023	-2.5')	V-3 (2
Manager Becky Haskel Bell to (if different) Chris Martin	ENTRONMENTAL Page 2 of Mork Order No: Page 2 of Mork Order State VCB 2H Turn Around Program: Page 2 of More No: Page 2 of Mo	o Collins	Gaille			+	-	Cont			Time	Date	ntification	Sample Ide
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Manager: Becky Haskell Bill to: (if different) Chris Martin Work Order Comments ny Name: NTG Environmental Company Name: Earthstone Program: UST/PS□ PR□ Brownfile□s R□ s: 701 Tradewinds Blvd. Address: Address: Address: Project: state of Project: Reporting: Level □ Level □ PST/U□ TR□ PST/U□ TR□ Name: Pother: Name: Dark Canyon 15-22 State WCB 2H Turn Around Preservative Coversity None: NO DI Wall Coversity Number: Dark Canyon 15-22 State WCB 2H Turn Around Preservative Coversity ANALYSIS REQUEST Preservative Coversity Name: Eddy Co, New Mexico Due Date: ANALYSIS REQUEST Preservative Coversity S Name: Kenny Han Ital: if received by 4:30pm H; So; H; No H; No LERECEIPT Temp Blank: Yes Alo: Wet los: Yes No No No Aux Rg Aux Rg Aux Rg Aux Rg Aux Rg Aux Rg	Page 2 of	NaOH: Zn	Zn Acetate+I			Chlo	_	-	1500	-actor:	Correction	NA	Yes	Cooler Custody Sea
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Becky Haskell Bill to: (if different) Chris Martin	NVIRONMENTAL Page 2 of	vative Code								Email:			432-766-1918	Phone:
Becky Haskell Bill to: (if different) Chris Martin	NVIRONMENTAL Page 2 of	ler:	ADaPT□ Oth	Deliverables: ED					, State ZIP:	City		701	Midland TX, 797	City, State ZIP:
Becky Haskell Bill to: (if different) Chris Martin Work Order Comments	NVIRONMENTAL Page 2 of	TR P	☐ Level ☐ PST/U	Reporting:Level					Iress:	Ado		Blvd.	701 Tradewinds	Address:
Becky Haskell Bill to: (if different) Company Name Farthstone Company Name Farthstone Farthstone Frogram: UST/PS Program: UST/PS Program: UST/PS	NVIRONMENTAL Page 2 of			State of Project:					ilpally Ivalia	Col		ental	NTG Environme	Company Name:
Bill to: (if different) Chris Martin	NVIRONMENTAL Page Work Order Comments		PR	Program: UST/P		TD.	Farthston		mony Name	0			Becky Паккен	roject Manager:
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July 03, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON 15-22 STATE WCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 06/28/23 14:15.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

mg/kg

Sample ID: V - 5 (1-1.5') (H233343-01)

BTEX 8021B

DILX 0021D	ilig	/ Ng	Allalyze	a by. 143					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	1.91	95.3	2.00	6.33	
Toluene*	<0.050	0.050	06/29/2023	ND	2.01	100	2.00	6.35	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.05	102	2.00	5.94	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.21	103	6.00	6.36	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/28/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					
Surrogate: 1-Chlorooctane	131	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 5 (2-2.5') (H233343-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	1.91	95.3	2.00	6.33	
Toluene*	<0.050	0.050	06/29/2023	ND	2.01	100	2.00	6.35	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.05	102	2.00	5.94	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.21	103	6.00	6.36	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg	/kg	Analyze	d 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	06/28/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					
Surrogate: 1-Chlorooctane	147	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	154	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237454

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 5 (3-3.5') (H233343-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	1.91	95.3	2.00	6.33	
Toluene*	< 0.050	0.050	06/29/2023	ND	2.01	100	2.00	6.35	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.05	102	2.00	5.94	
Total Xylenes*	< 0.150	0.150	06/29/2023	ND	6.21	103	6.00	6.36	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg/	kg	Analyze	d 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	06/28/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					
Surrogate: 1-Chlorooctane	137 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	145 %	6 49.1-14	8						

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Celecy D. Keene



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 5 (4-4.5') (H233343-04)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	1.91	95.3	2.00	6.33	
Toluene*	<0.050	0.050	06/29/2023	ND	2.01	100	2.00	6.35	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.05	102	2.00	5.94	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.21	103	6.00	6.36	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg,	/kg	Analyze	ed 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	06/28/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					
Surrogate: 1-Chlorooctane	147	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	153	% 49.1-14	8						

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Celeg D. Freene



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 237454 Tamara Oldaker

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 6 (1-1.5') (H233343-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg/	kg	Analyze	d 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	06/28/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/28/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/28/2023	ND					
Surrogate: 1-Chlorooctane	135 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 6 (2-2.5') (H233343-06)

BTEX 8021B

				<u> </u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg,	/kg	Analyze	ed 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	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	139	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 6 (3-3.5') (H233343-07)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg,	/kg	Analyze	d 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	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 7 (0-0.5') (H233343-08)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2023	ND	2.25	112	2.00	3.93	
Toluene*	<0.050	0.050	06/29/2023	ND	2.26	113	2.00	4.52	
Ethylbenzene*	<0.050	0.050	06/29/2023	ND	2.12	106	2.00	1.67	
Total Xylenes*	<0.150	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
Total BTEX	<0.300	0.300	06/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	06/29/2023	ND	352	88.0	400	12.8	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2023	ND	200	99.9	200	0.670	
DRO >C10-C28*	<10.0	10.0	06/29/2023	ND	197	98.5	200	7.16	
EXT DRO >C28-C36	<10.0	10.0	06/29/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

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

Received: 06/28/2023 Sampling Date: 06/28/2023

Reported: 07/03/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE WCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EARTHSTONE - EDDY CO, NEW MEXICO

Sample ID: V - 7 (1-1.5') (H233343-09)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 06/29/2023 06/29/2023	Method Blank ND ND	BS 2.25	% Recovery	True Value QC 2.00	RPD 3.93	Qualifier
<0.050 <0.050	0.050				112	2.00	3 93	
<0.050		06/29/2023	ND				3.33	
	0.050			2.26	113	2.00	4.52	
<0.150		06/29/2023	ND	2.12	106	2.00	1.67	
	0.150	06/29/2023	ND	6.55	109	6.00	1.06	
<0.300	0.300	06/29/2023	ND					
107	% 71.5-13	4						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
336	16.0	06/29/2023	ND	416	104	400	3.77	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	06/29/2023	ND	200	99.9	200	0.670	
<10.0	10.0	06/29/2023	ND	197	98.5	200	7.16	
<10.0	10.0	06/29/2023	ND					
131	% 48.2-13	4						
141	% 49.1-14	8						
	<0.300 107 mg/ Result 336 mg/ Result <10.0 <10.0 131	<0.150 0.150 <0.300 0.300 107	<0.150	<0.150 06/29/2023 ND 107 % 71.5-134 T1.5-134 Analyzed By: AC Result Reporting Limit Analyzed Method Blank 336 16.0 06/29/2023 ND mg/w Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0 10.0 06/29/2023 ND	<0.150	<0.150 0.150 06/29/2023 ND 6.55 109 <0.300 0.300 06/29/2023 ND 6.55 109 107 % 71.5-134 Meghyte Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	<0.150 0.150 06/29/2023 ND 6.55 109 6.00 107 √ 71.5-134 True Value QC Result Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 336 16.0 06/29/2023 ND 416 104 400 mg/ty Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC < 10.0 10.0 06/29/2023 ND 200 99.9 200 < 10.0 10.0 06/29/2023 ND 197 98.5 200 - 10.0 10.0 06/29/2023 ND 197 98.5 200 - 131 √ 48.2-134	<0.150

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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.

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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Work Order Com

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Project Manager:	Becky Hask	cell			Bill to: (if	aimeren	t)	CHIIIS	iviai ui	1	_								7 -		n(h)	П
	NTG Enviro				Compan	y Name:		Earth	stone									PR	В	rownfie s	R[]:	Supe
001119	701 Tradew				Address	:									2000		oject:	Lough	П	PST/U:☐	TR	LeDel
	Midland TX				City, Sta	te ZIP:												Level			her:	
	432-766-19			Email:											Deli	verable	s: EDD		ADa	PILL OI	ner.	
Phone:					24 6 4 4							Δ	NALY	SIS RE	QUES	Т				Prese	rvative Cod	es
Project Name:	Dark Can	yon 15-22 Sta	te WCB 2H	-	n Around	-	Pres.					T	Terre !		T	T				None: NO	DI Wate	r. H ₂ O
Project Number:		237454		✓ Routine	Rush)	Code	\vdash	-		-	+	+	_	+	1				Cool: Cool	MeOH:	Me
Project Location	Edd	dy Co, New N	exico	Due Date:					6								1			HCL: HC	HNO ₃ : I	HN
Sampler's Name:		Kenny Han		TAT starts the	e day receive	ed by the			MRO)							1	1 1			H ₂ S0 ₄ : H ₂	NaOH:	Na
PO #:			TO.6	28/23ab, if rec			ers		02								1 1			H ₃ PO ₄ : HP		
SAMPLE RECE	PT	Temp Blank:	Yes N		Yes	_	arameters	8021B	+ DRO	4500									9	NaHSO ₄ : N	ABIS	
Received Intact:		Yes No		meter ID:	1/3		ara	8 ×	RO	ap i									НОГР	Na ₂ S ₂ O ₃ : N	aSO ₃	
Cooler Custody Sea	ls: Y	es No N/A		on Factor:	-0.		-	втех	8015M (GRO	Chloride										Zn Acetate		
Sample Custody Sea	als: Y	es No NA		ature Reading:	-	8 i			0151										1	NaOH+Asc	orbic Acid: SA	PC
Total Containers:		9	Correcte	ed Temperature	0,	_		4	TPH 8								1 1	1				
Sample Ide	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		F										-	Sam	ole Commer	its
V-5 (1	-1.5')	6/28/2	23 10:00	X		Grab/	1	X	X	X		_	_	-	+	+	-	-	+	-		
V-5 (2	-2.5')	6/28/2	023 10:05	X		Grab/	1	X	X	Х		_	_	_	-	+	+	_	+	+		
V-5 (3	-3.5')	6/28/2	023 10:15	X		Grab/	1	X	X	X		_	_	_	+	+	-	_	+	-		
V-5 (4	-4.5')	6/28/2	023 10:20) X		Grab/	1	X	X	X			_	_	-	-	+ +	-	+	-		
V-6 (1	-	6/28/2	023 10:40) X		Grab/	1	X	X	X					_	-	1	_	+	-		
V-6 (2		6/28/2	023 10:45	, X		Grab/	1	X	X	X				_	_	-	-	_	+	-		
V-6 (3		6/28/2	023 10:50) X		Grab/	1	X	X	X				_	_	+	+	_	+			
V-7 (0		6/28/2		X		Grab/	1	X	X	X					-	-	-	-	+	-		
V-7 (1		6/28/2		X		Grab/	1	X	X	X							1	-	+	-		
V-7 (1.07	0/20/2	111	-d											- 1		1					

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.

of Agrico. A minimum charge of tester with		Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received by: (Signature)		2		
1. Kenny Han	Millara Stalker	6-38-23 1415	-		
	January ()		4		
			6		Revised Date 05012020 Rev. 2

Released to Imaging: 3/4/2024 2:55:28 PM



October 23, 2023

MIDLAND, TX 79706

BECKY HASKELL NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C

RE: DARK CANYON 15-22 STATE WCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 09/25/23 14:56.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C

Project: DARK CANYON 15-22 STATE WCB Project Number: 237454 MIDLAND TX, 79706

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1A (3')	H235208-01	Soil	25-Sep-23 09:00	25-Sep-23 14:56
CS - 2A (3')	H235208-02	Soil	25-Sep-23 09:03	25-Sep-23 14:56
CS - 3A (3')	H235208-03	Soil	25-Sep-23 09:06	25-Sep-23 14:56
CS - 4A (3')	H235208-04	Soil	25-Sep-23 09:09	25-Sep-23 14:56
CS - 5A (3')	H235208-05	Soil	25-Sep-23 09:12	25-Sep-23 14:56
CS - 7A (4.5')	H235208-06	Soil	25-Sep-23 09:15	25-Sep-23 14:56
CS - 8A (2.5')	H235208-07	Soil	25-Sep-23 09:18	25-Sep-23 14:56
CS - 9A (2.5')	H235208-08	Soil	25-Sep-23 09:21	25-Sep-23 14:56
CS - 10A (4.5')	H235208-09	Soil	25-Sep-23 09:24	25-Sep-23 14:56
CS - 11A (2.5')	H235208-10	Soil	25-Sep-23 09:27	25-Sep-23 14:56
CS - 12 (3')	H235208-11	Soil	25-Sep-23 09:30	25-Sep-23 14:56
CS - 13 (RAMP) (0-1')	H235208-12	Soil	25-Sep-23 09:33	25-Sep-23 14:56
SW - 1A (0-3')	H235208-13	Soil	25-Sep-23 09:36	25-Sep-23 14:56
SW - 2A (0-3')	H235208-14	Soil	25-Sep-23 09:39	25-Sep-23 14:56
SW - 4A (0-4.5')	H235208-15	Soil	25-Sep-23 09:42	25-Sep-23 14:56
SW - 5A (0-2.5')	H235208-16	Soil	22-Sep-23 11:30	25-Sep-23 14:56
SW - 7A (2.5-4.5')	H235208-17	Soil	22-Sep-23 11:33	25-Sep-23 14:56
SW - 8A (2.5-4.5')	H235208-18	Soil	25-Sep-23 09:45	25-Sep-23 14:56
SW - 10A (0-3')	H235208-19	Soil	25-Sep-23 09:48	25-Sep-23 14:56
SW - 11 (1-3')	H235208-20	Soil	25-Sep-23 09:51	25-Sep-23 14:56
SW - 12 (0-1')	H235208-21	Soil	25-Sep-23 09:54	25-Sep-23 14:56
SW - 13 (1-3')	H235208-22	Soil	25-Sep-23 09:57	25-Sep-23 14:56
SW - 14 (1-4.5')	H235208-23	Soil	25-Sep-23 10:00	25-Sep-23 14:56

10/23/23 - Client changed the sample ID on -12 (see COC). This is the revised report and will replace the one sent on 09/28/23.

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 1A (3') H235208-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	QM-07
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			96.1 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			118 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 2A (3') H235208-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		113 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			77.2 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			90.0 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 3A (3') H235208-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			91.5 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 4A (3') H235208-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	ID)		113 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			99.5 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 5A (3') H235208-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		112 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			98.4 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 7A (4.5') H235208-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			96.5 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 8A (2.5') H235208-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	6800		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			87.2 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			98.0 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celeg D. Keene



Analytical Results For:

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

Project: DARK CANYON 15-22 STATE WCB

Reported: 23-Oct-23 11:08

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

CS - 9A (2.5')H235208-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Reported: 23-Oct-23 11:08

Project Number: 237454

Project Manager: BECKY HASKELL

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Fax To:

CS - 10A (4.5') H235208-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 11A (2.5') H235208-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1570		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		114 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			82.2 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			93.8 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 12 (3') H235208-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		116 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			89.5 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

CS - 13 (RAMP) (0-1') H235208-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		111 %	71.5	i-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			76.7 %	48.2	2-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			86.2 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 1A (0-3') H235208-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	3092623	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		111 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			99.6 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 2A (0-3') H235208-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	QM-07
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092614	MS	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		115 %	71.5	-134	3092614	MS	26-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			92.9 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 4A (0-4.5') H235208-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		113 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	11.4		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			82.3 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			91.5 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Analytical Results For:

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

Project: DARK CANYON 15-22 STATE WCB

Reported:

Project Number: 237454

23-Oct-23 11:08

Project Manager: BECKY HASKELL Fax To:

> SW - 5A (0-2.5') H235208-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds h	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		114 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by G	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			96.1 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 7A (2.5-4.5') H235208-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7600		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds by I	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			122 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Reported: 23-Oct-23 11:08

Project Number: 237454

Project Manager: BECKY HASKELL

- DECKT HASI

Fax To:

SW - 8A (2.5-4.5') H235208-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		112 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			115 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			133 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 10A (0-3') H235208-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds I	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		113 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by G	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			142 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

D-22 STATE WCD

Reported: 23-Oct-23 11:08

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

SW - 11 (1-3') H235208-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		114 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			113 %	48.2	-134	3092603	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			130 %	49.1	-148	3092603	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 12 (0-1') H235208-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		109 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			94.3 %	48.2	-134	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	3092604	MS	26-Sep-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 13 (1-3') H235208-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		113 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			91.8 %	48.2-	-134	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3092604	MS	26-Sep-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

SW - 14 (1-4.5') H235208-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	3092626	AC	26-Sep-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3092615	JH/	26-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		113 %	71.5	-134	3092615	JH/	26-Sep-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctane			94.1 %	48.2	-134	3092604	MS	26-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	3092604	MS	26-Sep-23	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

A CANTON 15 22 STATE WCD

Project Number: 237454
Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3092623 - 1:4 DI Water										
Blank (3092623-BLK1)				Prepared &	: Analyzed:	26-Sep-23				
Chloride	ND	16.0	mg/kg							
LCS (3092623-BS1)				Prepared &	Analyzed:	26-Sep-23				
Chloride	432	16.0	mg/kg	400	·	108	80-120		·	·
LCS Dup (3092623-BSD1)				Prepared &	Analyzed:	26-Sep-23				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
Batch 3092626 - 1:4 DI Water										
Blank (3092626-BLK1)				Prepared &	Analyzed:	26-Sep-23				
Chloride	ND	16.0	mg/kg							
LCS (3092626-BS1)				Prepared &	Analyzed:	26-Sep-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3092626-BSD1)				Prepared &	Analyzed:	26-Sep-23				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Celey D. Keine



Analytical Results For:

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

Project: DARK CANYON 15-22 STATE WCB

Reported: 23-Oct-23 11:08

Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3092614 - Volatiles										

Blank (3092614-BLK1)				Prepared & Anal	wad: 26 San 22				
	ND	0.050	/1	Prepared & Anai	yzed: 26-Sep-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)	0.0557		mg/kg	0.0500	111	71.5-134			
LCS (3092614-BS1)				Prepared & Anal	yzed: 26-Sep-23				
Benzene	2.05	0.050	mg/kg	2.00	103	82.8-130			
Toluene	2.16	0.050	mg/kg	2.00	108	86-128			
Ethylbenzene	2.42	0.050	mg/kg	2.00	121	85.9-128			
m,p-Xylene	4.04	0.100	mg/kg	4.00	101	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00	99.2	86.1-125			
Total Xylenes	6.03	0.150	mg/kg	6.00	100	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500	103	71.5-134			
LCS Dup (3092614-BSD1)				Prepared & Anal	yzed: 26-Sep-23				
Benzene	2.03	0.050	mg/kg	2.00	102	82.8-130	0.976	15.8	
Toluene	2.13	0.050	mg/kg	2.00	107	86-128	1.27	15.9	
Ethylbenzene	2.36	0.050	mg/kg	2.00	118	85.9-128	2.35	16	
m,p-Xylene	3.90	0.100	mg/kg	4.00	97.4	89-129	3.70	16.2	
o-Xylene	1.97	0.050	mg/kg	2.00	98.6	86.1-125	0.627	16.7	
Total Xylenes	5.87	0.150	mg/kg	6.00	97.8	88.2-128	2.68	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0524		mg/kg	0.0500	105	71.5-134			

Batch 3092615 - Volatiles

Blank (3092615-BLK1)			Prepared & Analyzed: 26-Sep-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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Project Manager: BECKY HASKELL

Spike

0.0500

Source

102

71.5-134

Fax To:

Reported: 23-Oct-23 11:08

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

0.0510

		reporting		Spine	Bouree		, orthogo		141 25	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3092615 - Volatiles										
Blank (3092615-BLK1)				Prepared &	analyzed:	26-Sep-23				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0563		mg/kg	0.0500		113	71.5-134			
LCS (3092615-BS1)				Prepared &	analyzed:	26-Sep-23				
Benzene	1.75	0.050	mg/kg	2.00		87.5	82.8-130			
Toluene	1.79	0.050	mg/kg	2.00		89.4	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.9	85.9-128			
m,p-Xylene	3.85	0.100	mg/kg	4.00		96.3	89-129			
o-Xylene	1.90	0.050	mg/kg	2.00		95.0	86.1-125			
Total Xylenes	5.75	0.150	mg/kg	6.00		95.8	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			
LCS Dup (3092615-BSD1)				Prepared &	analyzed:	26-Sep-23				
Benzene	1.73	0.050	mg/kg	2.00		86.6	82.8-130	1.05	15.8	
Toluene	1.73	0.050	mg/kg	2.00		86.4	86-128	3.40	15.9	
Ethylbenzene	1.78	0.050	mg/kg	2.00		89.2	85.9-128	7.20	16	
m,p-Xylene	3.53	0.100	mg/kg	4.00		88.1	89-129	8.79	16.2	BS-
o-Xylene	1.76	0.050	mg/kg	2.00		88.0	86.1-125	7.65	16.7	
Total Xylenes	5.29	0.150	mg/kg	6.00		88.1	88.2-128	8.41	16.3	BS-

mg/kg

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Celey D. Keene

Surrogate: 4-Bromofluorobenzene (PID)



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Source

Result

%REC

Spike

Level

Project Manager: BECKY HASKELL

Fax To:

Reporting

Limit

Result

Reported: 23-Oct-23 11:08

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Blank (3092603-BLK1)				Prepared & Anal	yzed: 26-Sep-23	3			
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	46.1		mg/kg	50.0	92.3	48.2-134			
Surrogate: 1-Chlorooctadecane	55.2		mg/kg	50.0	110	49.1-148			
LCS (3092603-BS1)				Prepared & Anal	yzed: 26-Sep-23	3			
GRO C6-C10	188	10.0	mg/kg	200	94.1	66.4-123			
DRO >C10-C28	200	10.0	mg/kg	200	99.9	66.5-118			
Total TPH C6-C28	388	10.0	mg/kg	400	97.0	77.6-123			
Surrogate: 1-Chlorooctane	50.9		mg/kg	50.0	102	48.2-134			
Surrogate: 1-Chlorooctadecane	66.2		mg/kg	50.0	132	49.1-148			
LCS Dup (3092603-BSD1)				Prepared & Anal	yzed: 26-Sep-23	3			
GRO C6-C10	185	10.0	mg/kg	200	92.3	66.4-123	1.89	17.7	
DRO >C10-C28	193	10.0	mg/kg	200	96.5	66.5-118	3.43	21	
Total TPH C6-C28	378	10.0	mg/kg	400	94.4	77.6-123	2.68	18.5	
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0	106	48.2-134			
Surrogate: 1-Chlorooctadecane	67.7		mg/kg	50.0	135	49.1-148			

Batch 3092604 - General Prep - Organics

Blank (3092604-BLK1)				Prepared & Analy	yzed: 26-Sep-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	43.1		mg/kg	50.0	86.2	48.2-134	
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0	95.9	49.1-148	

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Celey D. Keene



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: DARK CANYON 15-22 STATE WCB

Project Number: 237454

Spike

Level

Source

Result

%REC

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:08

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

,									
Batch 3092604 - General Prep - Org	ganics								
LCS (3092604-BS1)				Prepared &	Analyzed: 26-Se	ep-23			
GRO C6-C10	198	10.0	mg/kg	200	99	0.2 66.4-123			
DRO >C10-C28	195	10.0	mg/kg	200	93	7.7 66.5-118			
Total TPH C6-C28	394	10.0	mg/kg	400	98	3.5 77.6-123			
Surrogate: 1-Chlorooctane	46.9		mg/kg	50.0	9.	3.7 48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0	1.	10 49.1-148			
LCS Dup (3092604-BSD1)				Prepared &	Analyzed: 26-Se	ep-23			
GRO C6-C10	196	10.0	mg/kg	200	98	3.2 66.4-123	1.06	17.7	
DRO >C10-C28	193	10.0	mg/kg	200	90	5.4 66.5-118	1.36	21	
Total TPH C6-C28	389	10.0	mg/kg	400	93	7.3 77.6-123	1.21	18.5	
Surrogate: 1-Chlorooctane	49.2		mg/kg	50.0	98	3.4 48.2-134			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0	1.	17 49.1-148			

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Celey D. Keine



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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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Celey D. Keene

Chris Martin

Bill to: (if different)

	34
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908	32
	age
	Pe

Project Manager: Becky Haskell

Work Order No: #35

Work Order Comments

Company Name:	NTG Enviro	onmental			Compa	any Nam	0.	Eor	thstor			\dashv					Comments	
Address:	701 Tradew	vinds Blvd.			Addres		C.	Edi	Instor	ie			ogram:		_	R∏ B	Brownfie s	R[]: Supe
City, State ZIP:	Midland TX					tate ZIP:		+				\rightarrow 1	ate of P					
Phone:	432-766-19			Email		late ZIP		_				_	porting:		Leve	ADa	_	TR_P Le
Project Name:	Dark Cany	yon 15-22 State	WCB 2H	Tur	n Around	1		1			*******			cs. LD	-	ADa	P1L Oth	er:
Project Number:		237454		✓ Routine	Rus		Pres.		T	T	ANALYSIS	REQUE	ST		_	-	Preserv	vative Codes
Project Location	Edd	y Co, New Mexi	ico	Due Date:			Code	-	+	+	+	-	+	\vdash	\rightarrow	-	None: NO	DI Water: H ₂ 0
Sampler's Name:		Kenny Han		TAT starts the	day receis	and by the			6								Coot: Cool	MeOH: Me
PO #:	12	18			eived by 4:		10		+ MRO)								HCL: HC	HNO ₃ : HN
SAMPLE RECE	IPT 1	Temp Blank:	Yes No	Wet Ice:	Yes	No	Parameters	l	DRO	0		- 1					H ₂ S0 ₄ : H ₂	NaOH: Na
Received Intact:		Yes No	Thermom		14		am	BTEX 8021B	+	4500							H ₃ PO ₄ HP	
Cooler Custody Seal		s No NA	Correction	n Factor:		-	Par	X	GR O	Chloride						НОГР	NaHSO ₄ NAB	
Sample Custody Sea	als: Ye	s No NA	Temperat	ure Reading:	5.4	00		B	E	Chic							Na ₂ S ₂ O ₃ NaS	-
Total Containers:		23	Corrected	Temperature:	_				8015M (GRO								Zn Acetate+Na NaOH+Ascorb	
Sample Ider	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ТРН									Comments
CS-1A	(3')	9/25/2023	9:00	Х		Comp	1	X	X	Х		_	-		_		Jampie	Comments
CS-2A CS-3A	(3')	9/25/2023	9:03	Х		Comp	1	X	X	X		_	+	_			1	
CS-3A	(3')	9/25/2023	9:06	Х		Comp	1	X	X	X			\perp				2	
CS-4A	(3')	9/25/2023	9:09	Х		Comp	1	X	X	X			\perp	_			3	
CS-5A	(3')	9/25/2023	9:12	X		Comp	1	X	X	X			+				4	
CS-7A ((4.5')	9/25/2023	9:15	Х		Comp	1	X	X			_	\perp				5	
CS-8A ((2.5')	9/25/2023	9:18	Х		Comp	1	X	X	X		_	\perp				U	
CS-9A (2.5')	9/25/2023	9:21	X		Comp	1	X	-	X							1	
CS-10A	(4.5')	9/25/2023	9:24	X		Comp	1	X	X	X		_	\perp				8	
CS-11A	(2.5')	9/25/2023	9:27	X		Comp	1	X	X	X		-	\vdash	_		-	9	
Additio	nal Commer	nts:				Comp	,	^	^	^							10	
of service. Xenco will be I	locument and reli	nquishment of sample	les constitute	s a valid purchas	e order from	n client con	npany to X	enco, its	affiliat	es and s	subcontractors. It assigns stand	dard terms	and condi	tions				
of Xenco. A minimum cha	irge of \$85.00 will	be applied to each p	roject and a	tharge of \$5 for ea	ibility for an ach sample	ny losses or submitted t	to Xenco, b	incurre out not a	d by the	client it	subcontractors. It assigns stand if such losses are due to circum e terms will be enforced unless p	stances bey	ond the c	ontrol				
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1. Kenny Han	M	4	win		-/		9/2	100		1560	Relinquished by: (Sign	nature)	F	Receive	ed by: (Si	gnature	e)	Date/Time
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Chain of Custody

Work Order No: <u>4235208</u>

Page 33 of 34

Project Manager:	Becky Haske	I			Bill to:	(if differe	ent)	Chr	ris Ma	rtin										Page		of3
Company Name:	NTG Environ	mental				any Nam			thston					-						Comment		
Address:	701 Tradewin	ds Blvd.			Addres		C.	Edi	iristor	ie							T/PS[PR		Brownfie	s RC	Suj
City, State ZIP:	Midland TX, 7	9701				tate ZIP:							_	\dashv \sqcup		f Proje						
Phone:	432-766-1918	1		Emai		late ZIP.								- 1		ng:Lev				PST/U:	TR	L
Project Name:	Dark Canyon	n 15-22 State	WCB 2H	4	n Around										elivera	ables:	EDD_		ADa	aP10 (Other:	
Project Number:	-	237454	TOD LIT	✓ Routine	Ru		Pres.	-	_	_	1	AN	ALYSIS	REQUE	ST	_	_			Pres	ervative C	odes
Project Location	Eddy	Co, New Mex	ico	Due Date:	T Nu	211	Code	-	+	+	+	+	+	_	\perp					None: NO	DIW	Vater: I
Sampler's Name:		Kenny Han		TAT starts the	doumant				6											Cool: Cool)H: Me
PO#.		,		lab, if rec	eived by 4:	30pm			MRO)				1 1							HCL: HC	HNO) ₃ : HN
SAMPLE RECEIP	PT Ter	mp Blank:	Yes No	Wet Ice:	Yes	No	Parameters	_	DRO +											H ₂ S0 ₄ : H ₂	NaO	H: Na
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otal Containers:		23	Corrected	Temperature:		_			8015M (GRO												+NaOH: Zn	
Sample Ident	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ТРН												corbic Acid: 5	
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₹ CS-137	HRaup) (O	9/25/2023	9:33	Х		Comp	1	X	X	X	-	+-	\vdash	_	-					11		
SW-1A (0	0-3')	9/25/2023	9:36	Х		Comp	1	X	X	X		-		_		_				12		
SW-2A (0	0-3')	9/25/2023	9:39	X		Comp	1	X	X	X	-	+	-		_					13		
SW-4A (0-	-4.5')	9/25/2023	9:42	Х		Comp	1	X	X	X		+	\vdash	_	_	-				14		
SW-5A (0-	-2.5')	9/22/2023	11:30	Х		Comp	1	X	X	X	_	+		_	_					15		
SW-7A (2.5	5-4.5')	9/22/2023	11:33	Х		Comp	1	X	X	X		+			_					10		
SW-8A (2.5	5-4.5')	9/25/2023	9:45	Х		Comp	1	X		X	-	+		_	\perp					(7		
SW-10A (0-3')	9/25/2023	9:48	Х		Comp	1	X	X	X	_	+			-					18		
SW-11 (1	-3')	9/25/2023	9:51	Х		Comp	1	X	X	X	-	+		-	+	_				19		
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Project Manager: Becky Haskell

NTG Environmental

Company Name:

Chris Martin

Bill to: (if different)

Work Order Comments

Company Name:	NIGE	nvironmental			Compa	any Nam	e:	Far	thston	10				1 5		1/2000			Comment	
Address:	701 Tra	dewinds Blvd.			Addres			La	tristor	ic						UST/PS	PF	₹∏ E	Brownfie _	s R□ Sup
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Phone:	432-766	5-1918		Emai		tate ZII .								- 1		Level C			PST/U	TR_P Le
Project Name:	Dark C	Canyon 15-22 State	WCB 2H	Tu	rn Around	4		1	60.00			2021				S. EUL		ADa	P1□ (Other:
Project Number:		237454		✓ Routine	Ru		Pres.		_	_		ANA	LYSIS F	EQUES	T				Pres	ervative Codes
Project Location		Eddy Co, New Me:	xico	Due Date:			Code		+	+		+	++	-	-		_	-	None: NO	DI Water: H ₂ I
Sampler's Name:		Kenny Han		TAT starts the	e day receiv	ved by the			MRO)										Cool: Cool	moorn we
SAMPLE RECEI	PT	Tame Division)	eived by 4:		SIS	1	+										HCL: HC H ₂ SO ₄ : H ₂	HNO ₃ : HN NaOH: Na
Received Intact:		Temp Blank:	Yes No.			No	Parameters	82	DRG	4500					1 1				H ₃ PO ₄ : HP	
Cooler Custody Seals	s:	Yes No NA	Thermom		141		ara	BTEX 8021B	000	de 4								2	NaHSO ₄ : N	
Sample Custody Sea		Yes No NA		ure Reading:	54	0,	-	BTE)	9	Chloride					1 1			НОГР	Na ₂ S ₂ O ₃ : N	
Total Containers:		23		Temperature:		_		-	8015M (GRO + DRO	0									Zn Acetate-	+NaOH: Zn
Sample Ident	tification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		трн 8											orbic Acid: SAPC
SW-12 (9/25/2023	9:54	X		Comp	1	X	X	Х	_	-		+	\sqcup				Samp	ole Comments
SW-13 (7	9/25/2023	9:57	X		Comp	1	X	X	X	_	-		_		_			21	
SW-14 (1	l-4.5')	9/25/2023	10:00	X		Comp	1	X	X	x	-	-	-	_	\vdash		_		22	
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October 06, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON 15-22 STATE SCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 14:38.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 10/02/2023 Sampling Date: 10/02/2023

Reported: 10/06/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: EARTHSTONE- EDDY CO, NEW MEXICO

Sample ID: SW - 6A 0-2.5' (H235351-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 10/02/2023 Sampling Date: 10/02/2023

Reported: 10/06/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EARTHSTONE- EDDY CO, NEW MEXICO

mg/kg

Sample ID: SW - 15 0-4.5' (H235351-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2023	ND	2.01	100	2.00	2.18	
Toluene*	<0.050	0.050	10/04/2023	ND	2.00	100	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/04/2023	ND	2.05	102	2.00	4.64	
Total Xylenes*	<0.150	0.150	10/04/2023	ND	6.23	104	6.00	5.09	
Total BTEX	<0.300	0.300	10/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	199	99.3	200	0.386	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	212	106	200	1.00	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

Project Manager: ENVIRONMENTAL Becky Haskell

Phone:

City, State ZIP:

Address: Company Name:

SAMPLE RECEIPT

Received Intact:

otal Containers: ample Custody Seals Cooler Custody Seals:

Sample Identification SW-6A SW-15

Sampler's Name:

Project Location Project Number Project Name:

Chain of Custody

Becky Haskell				Bill to: of different		Chris	Chris Martin			Work	Page	1 of 1
NTG Environmental	<u>a</u>			Company Name	B.	Earth	Earthstone			Program: UST/PST PRP	PRP Trownfields PRC	Inerfund
701 Tradewinds blvd	vd.			Address:								
Midland, TX, 79701	_			City, State ZIP:						Reporting:Level II Level III	□ST/UST □RRP	Level IV
432-766-1918			Email:							Deliverables: EDD		
Dark Canyon 15-22 State SCB 2H	15-22 State	e SCB 2H	Turn	Turn Around KH					ANALYSIS REQU	UEST	Preserv	Preservative Codes
	237454		Routine	Carpon Holys	Pres.			4			None: NO	DI Water: H ₂ O
Eddy Co	Eddy Co, New Mexico	xico	Due Date:	全							Cool: Cool	
Ke	Kenny Han		TAT starts the	TAT starts the day received by the	ō		(RO)				HCL: HC	HNO3: HN
			lab, if rece	ived by 4:30pm) + N				H ₂ S0 ₄ : H ₂	NaOH: Na
PT Temp Blank:	lank:	Yes NO	Wet Ice:	Yes No	nete	1B	DRO	500			H ₂ PO ₂ HP	
Yes	No	Thermometer ID:		140	ran	802	0+	le 45				SIIS
s: Yes No	NIA	Correction Factor:	7	1	Pa	TEX	GR	loric			HO Na ₂ S ₂ O ₃ NaSO	O
ils: Yes No	AVA	Temperature Reading:	ading:	0.90		В	5M (Ch				aOH: Zn
2		Corrected Temperature:	erature:				801				NaOH+Ascort	SAPC
Depth (ft bgs)	Date	Time	Soil	Water Comp	# of Cont		ТРН	_			Sample	Sample Comments
0-2.5' 10	10/2/2023	11:00	×	Comp		×	×	×				
0-4.5' 10	10/2/2023	11:05	×	Comp	p 1	×	×	×				
					П	\forall		\mathbb{H}				
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onal Comments:										-		
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	4) in a consider	i 40 lot each eath	or addinition to Vei	וכט, מער ווטר	anaiyzeu.	in acau i	IIIW SIIII D	wrms will be emorced unless previously negotia	lated.		
(Signature)		Received by:	y: (Signature)	1		Date/Time	ime		Relinquished by: (Signature)	re) Received by: (Signature)	ignature)	Date/Time
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		2	,									
					ł			4				



October 13, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON 15-22 STATE SCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/12/23 15:45.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: DH - 1 0-6" (H235587-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	69.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/12/2023 Reported: 10/13/2023

DARK CANYON 15-22 STATE SCB 2H

Project Name: DARK C Project Number: 237454

Project Location: EARTHSTONE- EDDY CO, NM

Sampling Date: 10/12/2023

Sampling Type: Soil

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

Sample ID: DH - 2 0-6" (H235587-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	< 0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	69.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact Project Number: 237454 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: DH - 3 0-6" (H235587-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	70.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.4	% 49.1-14	8						

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Analytical Results For:

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

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 237454 Tamara Oldaker

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: DV - 1 3-3.5' (H235587-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	65.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.2	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/12/2023

Sampling Date: 10/12/2023

Reported: 10/13/2023 Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Type: Soil

Project Number: 237454

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

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: DV - 1 4-4.5' (H235587-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	69.3	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	67.7	% 49.1-14	8						

Analyzed By: MS

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Celey D. Keine



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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CHAIN OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	(575) 393-2326 FAX (575) 393-2476	76				
Company Name: NT-E			BILL TO		ANALYSIS REQUEST	JEST
36	distall		P.O. #:			
	nos Bu		Company: Forthstore	SE.		
mokery	State: TX	Zip:79701	Attn: Chn's Marhin	200		
#	18 Fax #:		Address:		4	
	Project Owner:	Forthstare	City:			
ime: Durk	Cany on 15-22		State: Zip:			
on: Fody (MA		Phone #:			
Kinny ,	hum		Fax #:			
		P. MATRIX	PRESERV. SAM	SAMPLING)e	
Lab I.D. Samp	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	13TE TPH	(hlond	
1-HU JOSECTAL	020	× :		1:57		
7				1:58		
3 DY-3	+			1:59		
n	3-3.5			2:00		
Cr-100-1	4-4.5	4	•	4 4		
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Relinquished By:	Date: 10/12/3	Received By:	in the little of the same of t	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed Please provide Email address:	☐ No Add'I Phone #: ase provide Email address:	
Relinquished By:	Date:	Received By:		REMARKS:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Cool Infact Pyes 7 yes No No	On CHECKED BY:	Turnaround Time: St. Ru Thermometer ID #140 Correction Factor 0°C 2U	Standard Bacteria (only) S Rush Cool Intact Cool Intact Pes Yes	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C



October 13, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON 15-22 STATE SCB 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/12/23 15:45.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To:

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE- EDDY CO, NM

mg/kg

Sample ID: CS - 8B 4.5' (H235588-01)

BTEX 8021B

DILX 0021D	ilig/	r kg	Allalyze	a by. 143					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2023	ND	2.11	105	2.00	0.215	
Toluene*	<0.050	0.050	10/12/2023	ND	2.04	102	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/12/2023	ND	2.03	102	2.00	0.233	
Total Xylenes*	<0.150	0.150	10/12/2023	ND	5.85	97.5	6.00	0.104	
Total BTEX	<0.300	0.300	10/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: CS - 14 4.5' (H235588-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2023	ND	1.98	98.8	2.00	0.173	
Toluene*	<0.050	0.050	10/13/2023	ND	2.05	103	2.00	0.724	
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.11	106	2.00	1.48	
Total Xylenes*	<0.150	0.150	10/13/2023	ND	6.37	106	6.00	2.01	
Total BTEX	<0.300	0.300	10/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13-	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-148	8						

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Celey D. Keene



Analytical Results For:

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

Received: 10/12/2023

Sampling Date: 10/12/2023

Reported: 10/13/2023 Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Type: Soil

Project Number: 237454

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

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: SW - 8B 2.5-4.5' (H235588-03)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2023	ND	1.98	98.8	2.00	0.173	
Toluene*	<0.050	0.050	10/13/2023	ND	2.05	103	2.00	0.724	
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.11	106	2.00	1.48	
Total Xylenes*	<0.150	0.150	10/13/2023	ND	6.37	106	6.00	2.01	
Total BTEX	<0.300	0.300	10/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	65.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.1	% 49.1-14	8						

Analyzed By: MC

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Celey D. Keene



Analytical Results For:

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

Received: 10/12/2023 Sampling Date: 10/12/2023

Reported: 10/13/2023 Sampling Type: Soil

Project Name: DARK CANYON 15-22 STATE SCB 2H Sampling Condition: Cool & Intact
Project Number: 237454 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: EARTHSTONE- EDDY CO, NM

Sample ID: SW - 9A 0-4.5' (H235588-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2023	ND	1.98	98.8	2.00	0.173	
Toluene*	<0.050	0.050	10/13/2023	ND	2.05	103	2.00	0.724	
Ethylbenzene*	<0.050	0.050	10/13/2023	ND	2.11	106	2.00	1.48	
Total Xylenes*	<0.150	0.150	10/13/2023	ND	6.37	106	6.00	2.01	
Total BTEX	<0.300	0.300	10/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/13/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2023	ND	179	89.4	200	5.68	
DRO >C10-C28*	<10.0	10.0	10/12/2023	ND	173	86.6	200	5.22	
EXT DRO >C28-C36	<10.0	10.0	10/12/2023	ND					
Surrogate: 1-Chlorooctane	68.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.3	% 49.1-14	8						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANAL YSIS REQUEST



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

Collibally Name: N/GE			BILL 10		AN	ANALYSIS REQUEST	
Project Manager: Bechy	Huskell		P.O. #:				_
Address: 701 Travew	Travewinds Blvd		Company:) Torthistore	skern			_
city: Midland	State: 1)	zip: 74701	w	3			
Phone #: 432-766-	1918 Fax #:						
		: Earthshore	City:				
	et-51 using		State: Zip:				
on: Eddy	WILL YOM		#				
Kunny	Han		Fax #:				
		MATRIX	PRESERV. SAM	SAMPLING)e		_
	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	BTE TPH	Chlond		
1 (3-813	4.51	6		-			+
	4.5'						-
3 Sw-813	3.5-4.5'			2:10			
4 Sw-9A		. 4	-	+ = = :- :-			
PLEASE NOTE: Liability and Dargages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	nd Dargages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be not for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by a refinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or	ry claim arising whether based in contract the contract deemed waived unless made in writing an without intrilation, business interruptions, or the contract of the contract o	or tort, shall be limited to the amount paid by the client for the dreceived by Cardinal within 30 days after completion of the loss of use, or loss of profits incurred by client, its subsidiarie	id by the client for the er completion of the applicable client, its subsidiaries,			
Relinquished by	Date: 12/23	Received By:		Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	s □ No Add Please provide Em	Add'I Phone #: e Email address:	
Relinquished By:	Date:	Received By:	willes de	REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition Cool Intact Tyes Tyes No No	ion CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #140 Correction Factor 0°C	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C	



October 23, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DARK CANYON

Enclosed are the results of analyses for samples received by the laboratory on 10/18/23 13:15.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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



Analytical Results For:

Project: DARK CANYON

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C

Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

MIDLAND TX, 79706

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 8C (5)	H235699-01	Soil	18-Oct-23 10:00	18-Oct-23 13:15
CS - 14A (5)	H235699-02	Soil	18-Oct-23 10:00	18-Oct-23 13:15
SW - 8C (2.5-5)	H235699-03	Soil	18-Oct-23 10:00	18-Oct-23 13:15
SW - 9B (0-5)	H235699-04	Soil	18-Oct-23 10:00	18-Oct-23 13:15
SW - 15A (0-5)	H235699-05	Soil	18-Oct-23 10:00	18-Oct-23 13:15
SW - 16 (4.5-5)	H235699-06	Soil	18-Oct-23 10:00	18-Oct-23 13:15

10/23/23 - Client changed the sample ID on -03 (see COC). This is the revised report and will replace the one sent on 10/19/23.

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

Fax To:

CS - 8C (5) H235699-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		94.8 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctane			77.5 %	48.2	-134	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			77.0 %	49.1	-148	3101823	MS	18-Oct-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

Fax To:

CS - 14A (5) H235699-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)))		93.7 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctane			79.3 %	48.2	-134	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			78.6 %	49.1	-148	3101823	MS	18-Oct-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

Fax To:

SW - 8C (2.5-5) H235699-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	24000		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		95.1 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctane			79.2 %	48.2	-134	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			78.3 %	49.1	-148	3101823	MS	18-Oct-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454

Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:03

SW - 9B (0-5) H235699-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		96.0 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctane			76.2 %	48.2	-134	3101823	MS	18-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			76.0 %	49.1	-148	3101823	MS	18-Oct-23	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

Fax To:

SW - 15A (0-5) H235699-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		95.3 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
Surrogate: 1-Chlorooctane			78.2 %	48.2	-134	3101823	MS	19-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			78.3 %	49.1	-148	3101823	MS	19-Oct-23	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

Fax To:

SW - 16 (4.5-5) H235699-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	3101829	AC	19-Oct-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3101828	MS	18-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			94.2 %	71.5	-134	3101828	MS	18-Oct-23	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101823	MS	19-Oct-23	8015B	
Surrogate: 1-Chlorooctane			79.5 %	48.2	-134	3101823	MS	19-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			77.8 %	49.1	-148	3101823	MS	19-Oct-23	8015B	

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Analytical Results For:

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

Project: DARK CANYON Project Number: 237454 Project Manager: BECKY HASKELL

Fax To:

Reported: 23-Oct-23 11:03

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3101829 - 1:4 DI Water										
Blank (3101829-BLK1)				Prepared &	Analyzed:	18-Oct-23				
Chloride	ND	16.0	mg/kg							
LCS (3101829-BS1)				Prepared &	Analyzed:	18-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3101829-BSD1)				Prepared &	Analyzed:	18-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Reported: 23-Oct-23 11:03

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

Reporting

0.0449

		resporting		Spike	Bource		/ or CLC		IG D	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3101828 - Volatiles										
Blank (3101828-BLK1)				Prepared &	: Analyzed:	18-Oct-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)	ND		mg/kg	0.0500		93.2	71.5-134			
LCS (3101828-BS1)				Prepared &	Analyzed:	18-Oct-23				
Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130			
Toluene	2.16	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.38	0.100	mg/kg	4.00		109	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.40	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0450		mg/kg	0.0500		90.0	71.5-134			
LCS Dup (3101828-BSD1)				Prepared &	: Analyzed:	18-Oct-23				
Benzene	2.01	0.050	mg/kg	2.00		100	82.8-130	4.82	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	3.88	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	85.9-128	3.51	16	
m,p-Xylene	4.26	0.100	mg/kg	4.00		106	89-129	2.75	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	86.1-125	3.61	16.7	
Total Xylenes	6.21	0.150	mg/kg	6.00		104	88.2-128	3.02	16.3	

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mg/kg

0.0500

89.8

71.5-134

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Surrogate: 4-Bromofluorobenzene (PID)



%REC

Limits

66.4-123

66.5-118

77.6-123

48.2-134

49.1-148

84.6

85.1

84.8

78.0

76.9

0.322

7.10

RPD

Analytical Results For:

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

Analyte

GRO C6-C10

DRO >C10-C28

Total TPH C6-C28

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: DARK CANYON
Project Number: 237454
Project Manager: BECKY HASKELL

Spike

Level

Source

Result

%REC

Reported: 23-Oct-23 11:03

RPD

Limit

17.7

21

18.5

Notes

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

10.0

10.0

10.0

Result

169

170

339

39.0

38.4

Blank (3101823-BLK1)				Prepared & Anal	lyzed: 18-Oct-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	37.8		mg/kg	50.0	75.6	48.2-134
Surrogate: 1-Chlorooctadecane	37.1		mg/kg	50.0	74.2	49.1-148
LCS (3101823-BS1)				Prepared & Anal	lyzed: 18-Oct-23	
GRO C6-C10	169	10.0	mg/kg	200	84.3	66.4-123
DRO >C10-C28	159	10.0	mg/kg	200	79.3	66.5-118
Total TPH C6-C28	327	10.0	mg/kg	400	81.8	77.6-123
Surrogate: 1-Chlorooctane	35.8		mg/kg	50.0	71.6	48.2-134
Surrogate: 1-Chlorooctadecane	33.5		mg/kg	50.0	67.0	49.1-148

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

200

200

400

50.0

50.0

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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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CARDINAI Laboratorie: 101 East Marland, Hobbs, NM 88: (575) 393-2326 FAX (575) 393-24	Page	163	of 164
S S	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	abor	CARDINAL

Standard Bacteria (bnly) Sample Condition Rush Cool Infact Observed Temp. °C Tyes Tyes	Thermometer ID #140				
8. 1	Turnaround Time:	CHECKED BY:	/ 3 Sample Condition Cool Intact	Corrected Temp. °C	ampler - UPS - Bus - Other:
ustomer requested Id	REMARKS: * Chu				Delivered By: (Circle One)
. 6	All Results are emailed.	Makke	· lawara d	112	telinquisyed By:
ON C	easons or otherwise. Verbal Result:	of use, or loss of profits incurred by sed upon any of the above stated n	without limitation, business interruptions, loss o smal, regardless of whether such claim is bas Peceived By:	Males or successors arising out of or related to the performance of services hereunder by C., final, regardless of whether such claim is based upon any of the above stated reasons of otherwise. Date: Peceived By:	Relinquished By:
	id by the client for the expolicable	rt, shall be limited to the amount poetred by Cardinal within 30 days after	claim arising whether based in contract or to erned waived unless made in writing and rec	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the nankyes. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable.	IOTE: Liability and Damages. Cardinal's All claims including those for negligence no event shall Cardinal be liable for including
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46	TIME	OTHE	GROWAS* SOIL OIL SLUD	(2) 187	-
	L/a	BASE:		Sample I.D.	_ab I.D. Sa
EX		\	RS TER		BURE
	SAMPLING	PRESERV. SA	MATRIX		FOR LAB USE ONLY
	X	Phone #:		Kan Fa	Sampler Name: (ull
		State: Zip:		Cohon	Project Location: Told
		City:	Project Owner: Tarks Jane		Project #: 25 /45 4
		Address:		0	1 0
		Attn:	State: NM Zip: 88220	1,0	City: UNISPA
		Company:		T	SS:
		P.O. #:		4 (tashe)	2
ANALYSIS REQUEST	9	BILL TO		17	Project Manager: N (6)

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

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

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

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

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

CONDITIONS

Action 281376

CONDITIONS

Operator:	OGRID:
Earthstone Operating, LLC	331165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	281376
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Create	dition	Condition Date
rhan	rthstone's deferral requests final remediation for (Incident Number NAPP2315638319) until time of abandonment or upgrade of equipment allows for cessibility to the area. NTG Environmental and Earthstone do not believe deferment will result in imminent risk to human health, the environment, or bundwater. The area requested for deferral is the area adjacent to the onsite separators, which include sample areas (CS-11A, SW-7A and SW-8C). A e, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in tabase files and reflect an open environmental issue.	At this