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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2324355629
District RP	
Facility ID	
Application ID	

Release Notification

			Resp	onsi	ble Party	y			
Responsible	Party Earth	stone Operatin	g, LLC		OGRID 33	31165			
Contact Nam	ne Chris M	artin			Contact Telephone 432-253-9998 Ext. 2653				
Contact ema	il cmartin(@earthstoneene	rgy.com		Incident #	(assigned by OCD)	nAPP2324355629		
Contact mail Midland, 7	-	600 N. Marient	Feld, Suite 1000),					
			Location	of R	Release So	ource			
Latitude 32.4	428549		(NAD 83 in de	cimal de	Longitude <u>-</u> egrees to 5 decim	-103.453621 nal places)			
Site Name G	rama Ridg	ge East 34 State	Com 3BS #00	5H	Site Type V	Well Pad			
Date Release	Discovered	8/28/23			API# (if app	API# (if applicable) 30-025-45625			
Unit Letter	Section	Township	Range		Coun	ntv]		
0	34	21S	34E	Lea					
Surface Owne	r: State	Federal Tı	ribal 🛭 Private (A	Name:	<u>Merchant</u>	Livestock)		
			Nature and	d Vo	lume of I	Release			
				calcula	tions or specific	justification for the	volumes provided below)		
Crude Oi		Volume Release	d (bbls) 13			Volume Recovered (bbls) 3			
Produced	Water	Volume Release	` '			Volume Recovered (bbls) 2			
			tion of dissolved c	hlorid	e in the	in the Yes No			
produced water >10,000 mg/l? Condensate Volume Released (bbls)				Volume Recovered (bbls)					
Natural G	Gas	Volume Release	d (Mcf)			Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide unit			e units)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease Block	age in back pre	ssure valve res	ulted	in fluid to	l be released fi	rom stuffing box. Spill was at		

Cause of Release Blockage in back pressure valve resulted in fluid to be released from stuffing box. Spill was at wellhead with overspray. Release was contained to well pad. Repairs to BPV and stuffing box were made and a vac truck was dispatched to recover all free standing fluid.

Received by OCD: 2/28/2024 9:39:06 AM State of New Mexico
Page 2 Oil Conservation Division

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1 426 4	01 301	

Incident ID	nAPP2324355629
District RP	
Facility ID	
Application ID	

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	nom? 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
The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
has begun, please attach	a narrative of actions to date. If remedial	remediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	rmation given above is true and complete to the required to report and/or file certain release not ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and ifications 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: _Rebecc	a Haskell	Title: _Senior Project Manager
Signature: Reber	ia Haskell	Date: _9/8/2023
email: <u>bhaskell@ntg</u> l	<u>obal.com</u>	Telephone: 432-766-1918
OCD Only		
Received by:		Date:

Form C-141 Page 5 State of New Mexico
Oil Conservation Division

Incident ID	nAPP2324355629
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
Detailed description of proposed remediation technique
Scaled sitemap with GPS coordinates showing delineation points
Estimated volume of material to be remediated
☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
1 Toposcu schedule for Temediation (note it Temediation plan timeline is more than 90 days OCD approvat is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: MONTEOMERY FLOYD Title: ENV
Printed Name: Montcomery Floyd Date: 2-26-24 Signature: Date: 2-26-24 email: montgomery. Floyd Opermiantes.com Telephone: 432 425 8321
email: montgomery. Flayd @ permianres.com Telephone: 432 425 8321
OCD Only
Received by: Date:
Approved
Signature: Date:

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Page 6

State of Oil Conser

New Mexico vation Division	- 10				
	Incident ID	nAPP2324355629			
	District RP				
	Facility ID				
	Application ID				

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	OC 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 certa may endanger public health or the environment. The acceptance o should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	y 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

February 23, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Site Characterization and Deferral Request Report

Grama Ridge East 34 State Com 3BS #05H

Earthstone Energy Operating, LLC (currently Permian Resources Operating,

LLC

Incident ID: nAPP2324355629 Letter O, Sec. 34, T21S, R34E Lea County, New Mexico

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Earthstone Energy (currently Permian Resources Operating, LLC (Permian), submits this Site Characterization and Deferral Request Report to the NMOCD District 1 Office in Hobbs, New Mexico. This report provides documentation of initial soil delineation, sampling, analysis, and remediation activities conducted to date in the affected areas at the former Earthstone Grama Ridge East 34 State Com 3BS #005H Release Site (Site). The Site is located in Unit Letter O, Section 34 of Township 21 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.428549° N Latitude and 103.453621° W Longitude. Figures 1 and 2 depict the Site location. The initial delineation sample points are depicted on Figure 3.

2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on September 8, 2023. The C-141 stated that blockage in a back pressure valve resulted in fluid being released from the stuffing box. Approximately thirteen (13) barrels (bbls) of crude along with eight (8) bbls of produced water were released with three (3) bbls of crude and two (2) bbls of produced water recovered for a net loss of ten (10) bbls crude and six (6) bbls produced water. Upon discovery, the well was shut-in and a vacuum truck was utilized to recover fluids. The Release Notification portion of the C-141 for incident number nAPP2324355629 is attached to the front of this report.

Mr. Mike Bratcher February 23, 2024 Page 2 of 4

3. Groundwater and Site Characterization

The Site is located in an area of low karst potential. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, no groundwater wells exist within a ½-mile radius of the site. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A.

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

General Site Characterization and Groundwater: Table 3.1

Site Characterization	Average Groundwater Depth (ft)				
Low 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)	Total BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re- Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
Notes: = not defined					

4. Soil Delineation Assessment Summary and Analysis

On September 13, 2023, NTGE conducted initial assessment activities to determine the extent of impacts at the Grama Ridge 34 State 3BS #005H (Site). A total of five (5) vertical sample points (V-1 through V-5) were installed, with samples collected at intervals ranging from zero (0) to five and a half (5.5) ft below ground surface (bgs). Additionally, four (4) horizontal sample points (H-1 through H-4) were installed around the suspected impacted area. Soil samples were collected with a geotechnical hand auger. The samples were submitted to Eurofins Laboratory (Eurofins) of Midland, Texas for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015M, and chloride by EPA Method 300.0 CL. Analysis indicated that concentrations of either TPH and/or chloride exceeded NMOCD Table I Closure Criteria for samples V-1, V-2, V-4, V-5, H-1, and H-4 from surface to a maximum depth of five and a half (5.5) ft bgs in V-5. Soil sample V-5 was the only point that was not delineated in regard to the Table I Closure Criteria. Figure 3, Site Delineation Soil Sample Map, depicts the outline of the suspected release area and delineation sample locations. Analytical results are provided in Table 1, Summary of Soil Analytical Data -Delineation Soil Samples. Laboratory analytical reports and Chain-of-Custody

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Mr. Mike Bratcher February 23, 2024 Page 3 of 4

Documentation are provided in Attachment D. Photographic Logs are provided in Attachment B.

5. Remedial Action Activities, Confirmation Sampling, Deferral Samples and Extension Request

Based on the initial assessment results, Lobo Services (Lobo) of Odessa, Texas mobilized to the site and proceeded with the remedial actions to include the excavation and disposal of impacted soils above the regulatory limits. All five point composite confirmation 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, and chlorides by EPA Method SM4500CI-B.

Upon the completion of the initial excavation activities, NTGE was on-site November 16, 2023, to collect seventeen (17) confirmation samples (CS-4, CS-5, CS-7, CS-15, CS-23, CS-26, CS-32 through CS-40, CS-43 and CS-44) ranging from depths of three (3) ft bgs to seven (7) ft bgs which were submitted to Cardinal Labs for analysis. Analytical results indicated that none of the confirmation samples collected exhibited concentrations above the Table I Closure Criteria.

On November 29, 2023, after further excavation by Lobo, NTGE conducted a confirmation sampling event, whereby thirty-one (31) confirmation samples (CS-1 through CS-3, CS-6, CS-8 through CS-14, CS-16 through CS-22, CS-24, CS-25, CS-27 through CS-31, CS-41, CS-42, CS-45 through CS-48) and twenty-seven (27) sidewall samples (SW-1 through SW-27) were collected, ranging from surface to seven (7) ft bgs. The samples were submitted to Cardinal Labs for analysis. Analytical results indicated that twenty-one (21) of the samples (CS-1, CS-8, CS-9, CS-13, CS-14, CS-17, CS-21, CS-22, CS-30, CS-45, SW-3, SW-5, SW-6, SW-7, SW-10 through SW-12, SW-14, SW-19, SW-21, and SW-27) exhibited TPH and/or chloride concentrations above the Table I Closure Criteria.

On December 15, 2023, after further excavation by Lobo, NTGE conducted a confirmation sampling event, whereby fourteen (14) confirmation samples (CS-1A, CS-8A, CS-9A, CS-13A, CS-17A, CS-17A, CS-21A, CS-22A, CS-30A, CS-45A, CS-49, CS-50, CS-52 and CS-53) and seventeen (17) sidewall samples (SW-10A through SW-12A, SW-14A, SW-19A, SW-20A, SW-24A, SW-28 through SW-33 and SW-35 through SW-38) were collected and submitted to Cardinal Labs for analysis. Analytical results indicated that two (2) of the samples (CS-52 and SW-28) exhibited chloride concentrations above the Table I Closure Criteria. In addition, one sample (CS-53) exhibited TPH concentrations above the Table I Closure Criteria.

On December 29, 2023, after further excavation by Lobo, NTGE conducted a confirmation sampling event, whereby two (2) confirmation samples (CS-52A and CS-53A) and fourteen (14) sidewall samples (SW-3A, SW-5A, SW-6A, SW-34, SW-39 through SW-48) were collected and submitted to Cardinal Labs for analysis. Analytical results indicated that twelve (12) samples (CS-53A, SW-5A, SW-34, SW-39 through SW-41, SW-43 through

A NTG

Mr. Mike Bratcher February 23, 2024 Page 4 of 4

SW-46 and SW-48) exhibited concentrations of TPH and/or chlorides above the Table I Closure Criteria.

On January 5, 2024, based on the proximity of onsite equipment and analytical results of SW-6A, SW-7, SW-21, SW-27, and SW-28, NTGE arrived onsite to collect six (6) deferral samples (DH-1 through DH-3 and DV-1 through DV-3) at depths ranging from 6 inches (in) to 9 ft bgs around the pumpjack located to the northwest of the excavation and two pumpjacks located on the south end of the excavation. The samples were submitted to Cardinal Labs for analysis. Analytical results indicated that soil sample DV-2 exhibited TPH concentrations above the Table I Closure Criteria.

On January 9, 2024, after further excavation by Lobo, NTGE conducted a confirmation sampling event, whereby two (2) confirmation samples (CS-59 and CS-60), three (3) sidewall samples (SW-40A, SW-41A and SW-49) and one (1) deferral sample (DV-2) were collected and submitted to Cardinal Labs for analysis. Analytical results indicated that all samples exhibited concentrations below the Table I Closure Criteria.

On January 11, 2024, after further excavation by Lobo, NTGE conducted a confirmation sampling event, whereby seven (7) confirmation samples (CS-53B, CS-54, CS-55 though CS-58, and CS-61) and seven (7) sidewall samples (SW-5B, SW-34A, SW-43A through SW-46A and SW-48A) were collected and submitted to Cardinal Labs for analysis. Analytical results indicated that one (1) confirmation sample (CS-55) and two sidewall samples (SW-34A and SW-43A) exhibited concentrations of TPH and/or chlorides above the Table I Closure Criteria.

On January 12, 2024, after the excavation was completed by Lobo, NTGE conducted a final confirmation sampling event, whereby three (3) confirmation samples (CS-1B, CS-11A, CS-55A) and two (2) sidewall samples (SW-34B and SW-43B) were collected and submitted to Cardinal Labs for analysis. Analytical results indicated that none of the samples exhibited concentrations above the Table I 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 October 17, 2023, and January 17, 2024, approximately 2,194.87 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 closure criteria with the exception of the areas of SW-6A, SW-7, SW-21, SW-27, and SW-28 adjacent to the onsite pumpiacks.

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Mr. Mike Bratcher February 23, 2024 Page 5 of 4

Further remediation of the area around the pumpjacks was not feasible due to the possible destabilization of the equipment. Deferral samples DV-1 through DV-3 and DH-1 through DH3 were placed within and adjacent to the pumpjacks and impacted areas to fully delineate the areas where a deferral is being requested. The deferral areas were fully delineated to concentrations below the Table I Closure Criteria. Based on the supporting documentation provided in this report, NTGE, on behalf of Earthstone (currently Permian Resources) respectfully requests closure for nAPP2324355629 with deferral of soils left in-situ above NMOCD Closure Criteria near soil samples SW-6A, SW-7, SW-21, SW-27, and SW-28, until time of abandonment or upgrade of equipment allows for accessibility to the area. The Release Notification portion of NMOCD form C-141 is included on the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-766-1918.

Sincerely,

NTG Environmental

Becky Haskell

Senior Project Manager

Rebecca Haskell

Attachments:

Figure 1: Site Location Map Topographic Map

Figure 3: Site Delineation Sample Map

Table I: Summary of Soil Analytical Data – Delineation Samples

Appendix A: Site Characterization Documentation

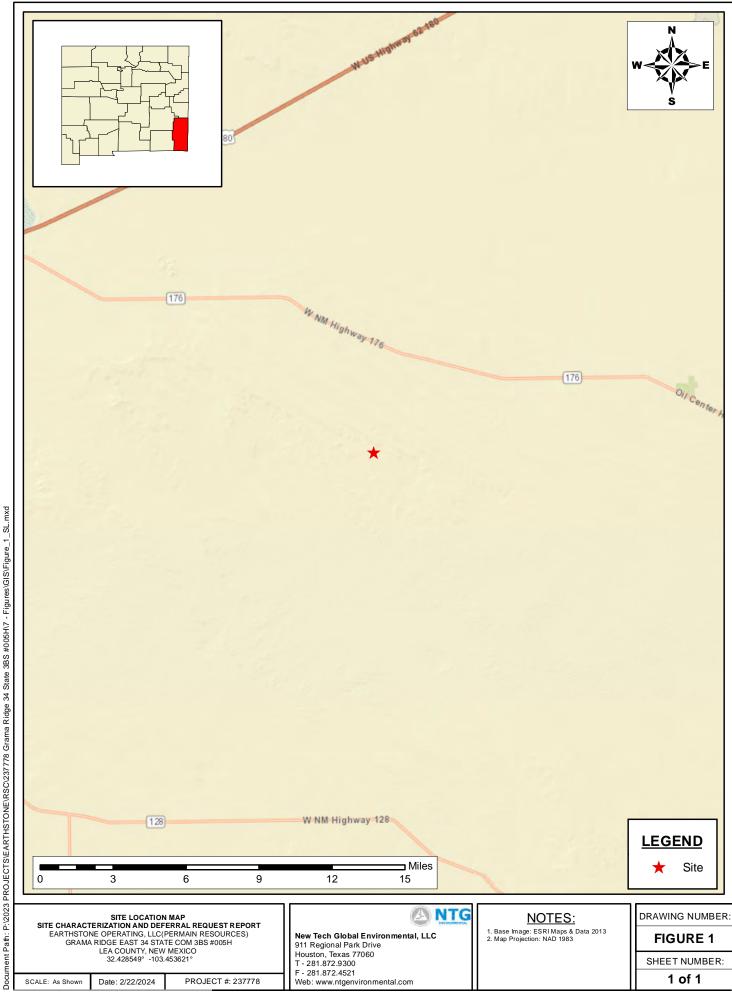
Appendix B: Photographic Log

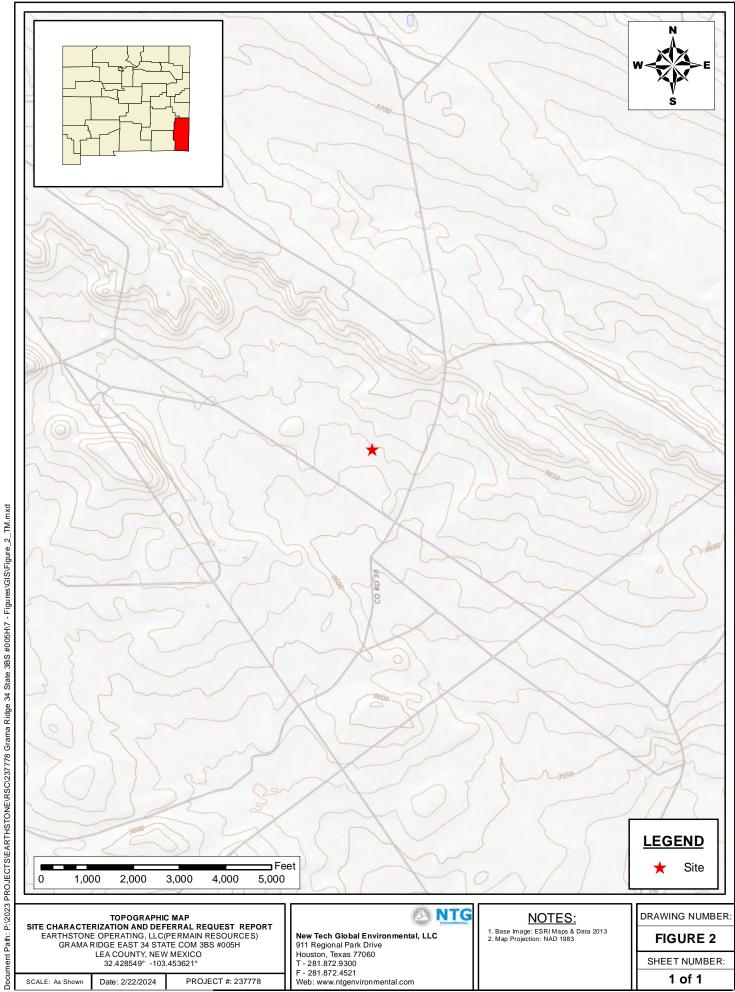
Appendix C: Confirmation Sampling Notifications

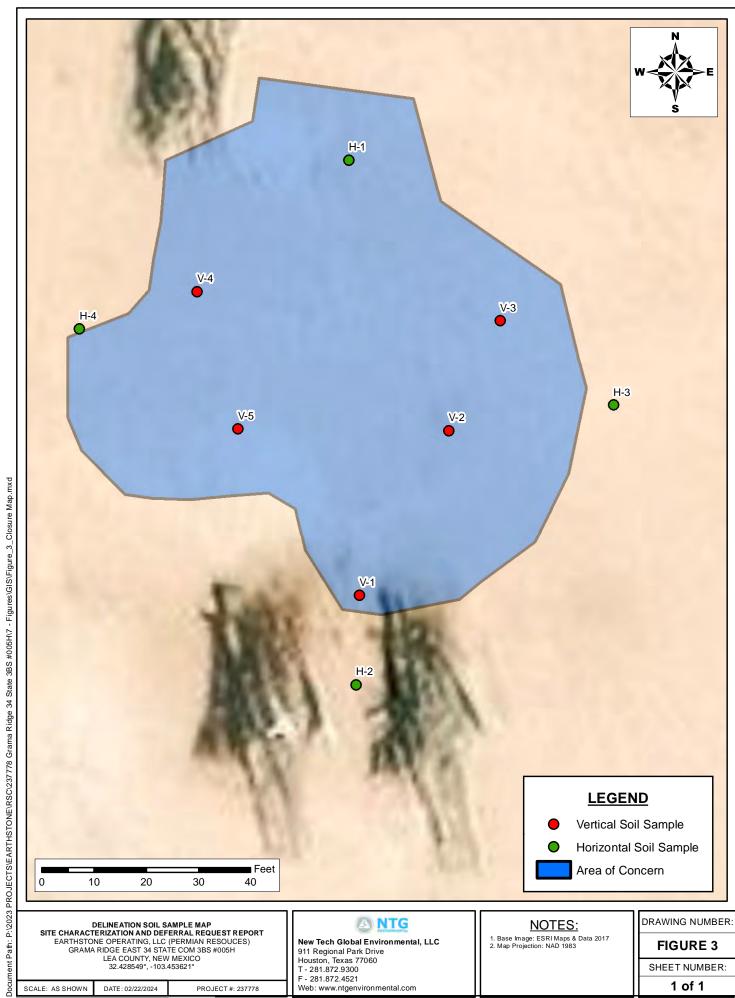
Appendix D: Laboratory Analytical Reports and Chain -of-Custody

Documentation

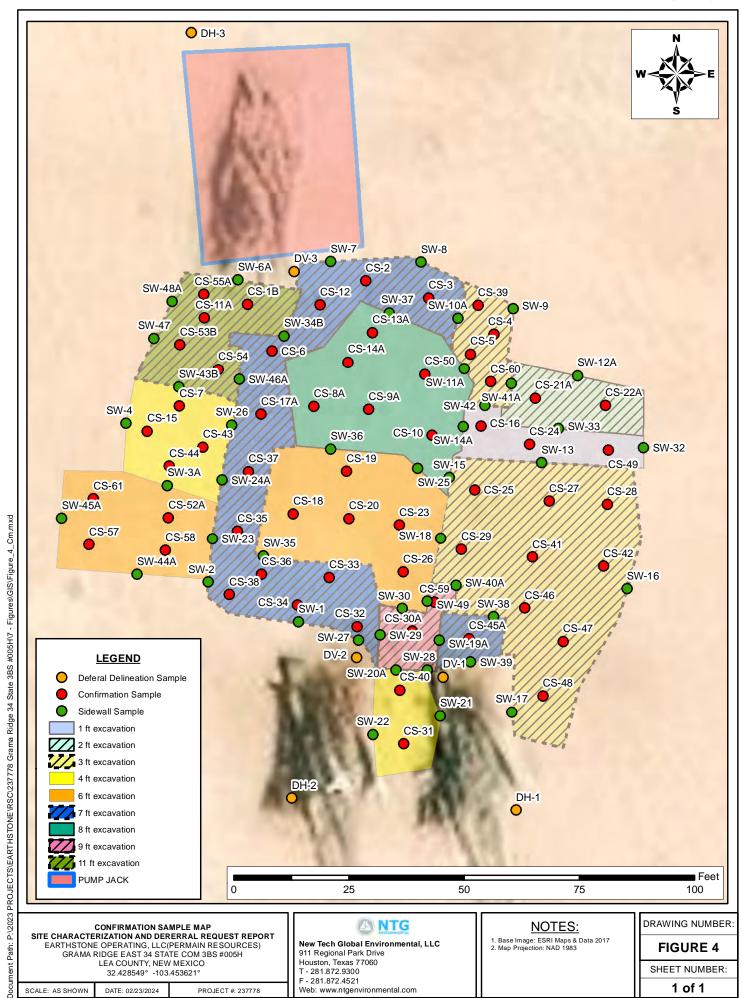
FIGURES







1 of 1



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DATE: 02/23/2024

PROJECT #: 237778

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TABLE

Table 1 **Summary of Soil Analytical Data - Delineation Soil Samples** Grama Ridge 34 State 3BS #005H Earthstone Energy (currently Permian Resources Operating, LLC) Lea Co., NM

0										TPH			4
24			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	GRO + DRO	MRO	Total GRO/DRO/MRO (C6-	Chloride :
Sample ID	Sample Date	Depth						(C6-C10)	(C10-C28)	(C6-C28)	(C28-C35)	C35)	9.
6	Jampie Zate	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg) 🤶
						Tab	le I Closure Criter	ia for Soil ≤ 50 fee	t Depth to Ground	water 19.15.29 NMAC			A
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/k
X	Vertical Deliniation												
V-1	09/13/23	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.1	3850	3850	<50.1	3,850	2,560
V-1	09/13/23	1-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.5	85.1	85.1	<50.5	85.1	1,740
V-1	09/13/23	2-2.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	508
V-1	09/13/23	3-3.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	159
V-2	09/13/23	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.3	318	318	<50.3	318	491
V-2	09/13/23	1-1.5'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.5	108	108	<49.5	108	361
V-2	09/13/23	2-2.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.5	<49.5	<49.5	<49.5	<49.5	637
V-2	09/13/23	3-3.5'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	222
V-3	09/13/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	526
V-3	09/13/23	1-1.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	183
V-3	09/13/23	2-2.5'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	170
V-4	09/13/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	741	741	<49.6	741	1,340
V-4	09/13/23	1-1.5'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.3	132	132	<50.3	132	1,580
V-4	09/13/23	2-2.5'	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<50.4	<50.4	<50.4	<50.4	<50.4	977
V-4	09/13/23	3-3.5'	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	240
V-5	09/13/23	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.4	98.9	98.9	<50.4	98.9	3,810
V-5	09/13/23	1-1.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	1,390
V-5	09/13/23	2-2.5'	<0.00198	<0.00198	<0.00198	<0.00397	< 0.00397	<50.2	<50.2	<50.2	<50.2	<50.2	564
V-5	09/13/23	3-3.5'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.1	<50.1	<50.1	<50.1	<50.1	639
V-5	09/13/23	4-4.5'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	1,050
V-5	09/13/23	5-5.5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,480
							Horizontal Delinia	ition					
H-1	09/13/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.6	122	122	<49.6	122	337
H-2	09/13/23	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	364
H-3	09/13/23	0-6"	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	392
H-4	09/13/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	1,580

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

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Grama Ridge 34 State 3BS #005H
Earthstone Energy (currently Permian Resources Operating, LLC)
Lea Co., NM

										TPH			
Sample ID	Sample	Depth	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
	Date	(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 Crite	eria for Soil ≤	50 feet De	oth to Grou	ndwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Bas	e Confirmation	on Samples						
C5-1	11/29/2023		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	273	273	<10.0	273	176
CS-1A	12/15/2023	78/	<0.050	<0.050	<0.050	<0.150	<0.900	₹10.0	34.1	34.1	<10.0	34.1	64.0
CS-1B	1/12/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	83.3	83.3	<10.0	83.3	16.0
CS-2	11/29/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	77.7	77.7	<10.0	77.7	352
CS-3	11/29/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-4	11/16/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10.6	160
CS-5	11/16/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-6	11/29/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-7	11/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
C5-8	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	289	289	<10.0	289	80.0
CS-8A	12/15/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-9	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	204	204	<10.0	204	176
CS-9A	12/15/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-10	11/29/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.5	33.5	<10.0	33.5	48.0
CS-11	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	51:7	51.7	<10.0	51.7	48.0
CS-11A	1/12/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-12	11/29/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.0	40.0	<10.0	40.0	560
CS-13	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	274	274	<10.0	271	96.0
CS-13A	12/15/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.7	19.7	<10.0	19.7	32.0
CS-14	11/29/2023	7	<0.050	<0.050	<0. 05 0	<0.150	<0.900	₹10.0	408	488	<10.0	408	64.0
CS-14A	12/15/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.1	15.1	<10.0	15.1	64.0
CS-15	11/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-16	11/29/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-17	11/29/2023	76/	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.0	64.0	<10.0	64.0	768
CS-17A	12/15/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-18	11/29/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	62.2	62.2	<10.0	62.2	528
CS-19	11/29/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.5	38.5	<10.0	38.5	144
CS-20	11/29/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.6	50.6	<10.0	50.6	144
C3-21	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.900	₹10.0	163	163	<10.0	163	240
CS-21A	12/15/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-22	11/29/2023	7	<0.050	<0.050	<0.050	<0.150	<0.390	₹10.0	66.4	66.1	<10.0	66.1	720
CS-22A	12/15/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-23	11/16/2023	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-24	11/29/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
CS-25	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.8	25.8	<10.0	25.8	416
CS-26	11/16/2023	6'	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Grama Ridge 34 State 3BS #005H
Earthstone Energy (currently Permian Resources Operating, LLC)
Lea Co., NM

										TPH			
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
	Date	(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 Crite	eria for Soil ≤	50 feet De	pth to Grou	ndwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Bas	e Confirmation	on Samples						
CS-27	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-28	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-29	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	66.4	66.4	<10.0	66.4	496
C5-30	11/29/2023	7	<0.050	<0.050	<0 .050	<0.150	<0.300	₹10:0	₹10.0	₹10.0	₹10.0	<10.0	1369
CS-30A	12/15/2023	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-31	11/29/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.9	26.9	<10.0	26.9	192
CS-32	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-33	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-34	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-35	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-36	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-37	11/16/2023	7'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-38	11/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-39	11/16/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-40	11/16/2023	4'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	33.9	33.9	<10.0	33.9	256
CS-41	11/29/2023	3'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	13.1	13.1	<10.0	13.1	320
CS-42	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-43	11/16/2023	4'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-44	11/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
C3-45	11/29/2023	75/	<0.050	<0.050	<0 .050	<0:150	<0.300	₹10.0	140	140	₹10.0	140	560 -
CS-45A	12/15/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-46	11/29/2023	3'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	10.1	10.1	<10.0	10.1	208
CS-47	11/29/2023	3'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
CS-48	11/29/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-49	12/15/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-50	12/15/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.7	13.7	<10.0	13.7	48.0
C5 -52	12/15/2023	794	<0.050	<0.050	<0 .050	<0.150	<0.390	₹10:0	₹10:0	₹10.0	₹10.0	<10.0	1410
CS-52A	12/29/2023	6'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	161
C3-53	12/15/2023	7	<0.050	<0. 05 0	<0 .050	<0.150	<0.390	≥10.0	404	404	₹10.0	401	48.0
CS-53A	12/29/2023	10'	<0.00200	<0.00200	<0.00200	<0.0399	<0.00399	<50.2	774	114	<50.2	111	11:4
CS-53B	1/11/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.6	15.6	<10.0	15.6	128
CS-54	1/11/2024	11	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-55	1/11/2024	7	<0.050	<0.050	<0.050	<0.150	<0.390	<10.0	725	Ħ	<10.0	115	224.0
CS-55A	1/12/2024	11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.5	10.5	<10.0	10.5	80.0
C3-56	1/11/2024		<0.050	<0.050	<0.050	<0.150	<0.300	₹10.0	80.8	80.8	₹10.0	80.8	32.0
CS-57	1/11/2024	6'	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Grama Ridge 34 State 3BS #005H
Earthstone Energy (currently Permian Resources Operating, LLC)
Lea Co., NM

										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
	Date	(it pgs)	(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 Crite	eria for Soil ≤	50 feet De	pth to Groui	ndwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Bas	e Confirmation	on Samples						
CS-58	1/11/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-59	1/9/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-60	1/9/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-61	1/11/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256.0
						Side Wall Sa	mples						
SW-1	11/29/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-2	11/29/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
2 AA 3	11/29/2023	0-4	<0.050	<0.050	<0. 05 0	<0.150	<0.300	≥10.0	<10.0	<10.0	₹10.0	<10.0	2200
SW-3A	12/29/2023	4'-6'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	231
SW-4	11/29/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	73.3	73.3	<10.0	73.3	400
SW-5	11/29/2023	0-7'	<0.050	<0.050	<0 .050	<0.150	<0.300	₹10.0	212	22	<10.0	212	272
SW-5A	12/29/2023	8-10'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.8	1860	1860	<49.8	1800	144
5 VV-5B	1/11/2024	8-11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21:4	21.4	<10.0	21.1	96
24A-6	11/29/2023	0-7'	<0.050	<0.050	<0 .050	<0.150	<0.300	≥10.0	116	116	₹10.0	116	1112
SW-6A	12/29/2023	0-8'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	681	681	<49.8	681	1030
SW-7	11/29/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1880
SW-8	11/29/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-9	11/29/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	340
5W-10	11/29/2023	3-7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	₹10.0	<10.0	<10.0	784
SW-10A	12/15/2023	3-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-11	11/29/2023	1-9'	<0.050	<0.050	<0.050	<0.150	<0.390	₹10:0	10.7	10.7	≥10.0	10.7	608
SW-11A	12/15/2023	3-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
5W-12	11/29/2023	0-7'	<0.050	<0 .05 0	<0.050	<0.150	<0.300	≥10.0	31.6	31.6	₹10.0	31.6	816
SW-12A	12/15/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-13	11/29/2023	1-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
5 W-14	11/29/2023	1-7'	<0.050	<0.050	<0 .050	<0.150	<0.300	≥10.0	166	166	₹10.0	166	640
SW-14A	12/15/2023	1-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.2	18.2	<10.0	18.2	80.0
SW-15	11/29/2023	3-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.0	31.0	<10.0	31.0	96.0
SW-16	11/29/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-17	11/29/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW-18	11/29/2023	3-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
5 W-19	11/29/2023	3-7	<0.050	<0.050	<0.050	<0.150	<0.300	≥10.0	₹10.0	₹10.0	₹10.0	₹10.0	892
SW-19A	12/15/2023	7-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
5W-20	11/29/2023	4-7	<0.050	<0.050	<0.050	<0.150	<0.300	₹10.0	₹10.0	₹10.0	₹10.0	<10.0	544
SW-20A	12/15/2023	4-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-21	11/29/2023	0-4'	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	14.4	14.4	<10.0	14.4	2560

Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Grama Ridge 34 State 3BS #005H
Earthstone Energy (currently Permian Resources Operating, LLC)
Lea Co., NM

										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
	Date	(it ngs)	(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 Crite	ria for Soil ≤	50 feet De	oth to Grou	ndwater 19.1	5.29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Bas	e Confirmation	on Samples						
SW-22	11/29/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW-23	11/29/2023	6-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
5W -24	11/29/2023	4-6'	<0.050	<0.050	<0.050	<0.150	<0.390	<10.0	₹10.0	<10.0	₹10.0	<10.9	48.0
SW-24A	12/15/2023	4-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-25	11/29/2023	6-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-26	11/29/2023	4-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-27	11/29/2023	6-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1630
SW-28	12/15/2023	0-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1310
SW-29	12/15/2023	7-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-30	12/15/2023	6-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.8	23.8	<10.0	23.8	432
SW-31	12/15/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW-32	12/15/2023	0-1'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-33	12/15/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
5W-34	12/29/2023	7'-8'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	₹50.5	12	119	<5 0. 5	119	1040
SW-34A	1/11/2024	7'-8'	<0.050	<0.050	0.053	0.249	0.302	26.4	246	272.4	₹10.0	272.4	32.0
SW-34B	1/12/2024	7-11'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	32.7	32.7	<10.0	32.7	32.0
SW-35	12/15/2023	6-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-36	12/15/2023	6-8'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-37	12/15/2023	7-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-38	12/15/2023	3-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW-39	12/29/2023	0-7'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.5	92.9	92.9	<50.5	92.9	3140
5 VV-40	12/29/2023	3'-9'	< 0.00201	0.00371	<0.00201	0.0163	0.0200	₹50.1	₹50.1	₹50.1	<50.1	<50.1	3730
SW-40A	1/9/2024	3'-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-41	12/29/2023	2'-3'	< 0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.7	125	125	₹49.7	125	867
SW-41A	1/9/2024	2-3'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-42	12/29/2023	1'-3'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	341
SW-43	12/29/2023	0-10'	< 0.00201	< 0.00201	<0.00201	< 0.00402	< 0.08402	≥50.1	1470	1470	₹50.1	1470	78.6
SW-43A	1/11/2024	9-11'	<0.050	<0.050	<0.050	<0:150	<0.300	≥10.0	72	419	₹10.0	419	720
SW-43B	1/12/2024	4-11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.3	52.3	<10.0	52.3	48.0
SW-44	12/29/2023	0-6'	<0.00199	<0.00199	<0.00199	<0.00398	<0.08398	<49.9	<49.9	₹49.9	<49.0	<49.9	11400
SW-44A	1/11/2024	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.7	46.7	<10.0	46.7	368
SW-45	12/29/2023	79-6'	<0.00200	<0.00200	<0.00200	<0.00401	<0.08401	≥50.1	152	752	≥50.1	152	1870
SW-45A	1/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
5 ₩-46	12/29/2023	6-10'	<0.00199	<0.00199	<0.00199	<0.08398	<0.08398	<50.5	1960	1960	<50.5	1960	314
SW-46A	1/11/2024	7'-11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.7	44.7	<10.0	44.7	48

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Table 2
Summary of Soil Analytical Data - Confirmation Assessment Samples
Grama Ridge 34 State 3BS #005H
Earthstone Energy (currently Permian Resources Operating, LLC)
Lea Co., NM

										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
	Date	(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 Crite	eria for Soil ≤	50 feet De	oth to Grou	ndwater 19.1!	5.29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Bas	e Confirmati	on Samples					_	
5W-48	12/29/2023	 	<0.00200	<0.06200	<0.00200	<0.00399	<0.00399	≥50.1	1880	1890	₹50.1	1800	1030
SW-48A	1/11/2024	0-11'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.2	19.2	<10.0	19.2	112
SW-49	1/9/2024	6-9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
						Deferral Sa	mples						
DH-1	1/5/2024	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
DH-2	1/5/2024	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
DH-3	1/5/2024	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
DV-1	1/5/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
DV-2	1/5/2024	9'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	111	111	11.6	122.6	352
DV-2	1/9/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
DV-3	1/5/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	17.7	<10.0	17.7	80.0

Notes:

1. Values reported in mg/kg 5. TPH analyses by EPA Method SW 8015 Mod. 2.< = Value Less Than Reporting Limit (RL) 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

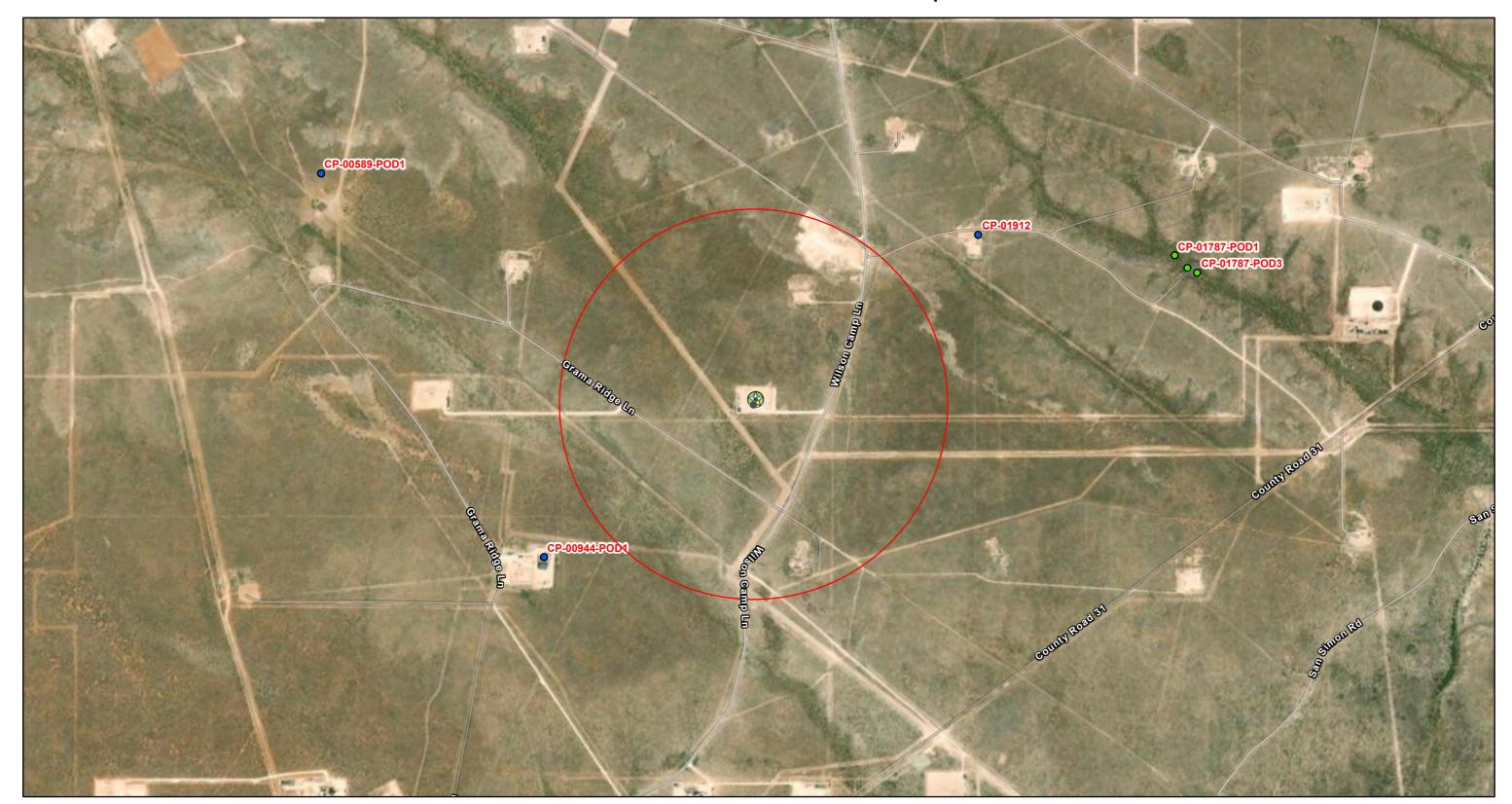
3. Bold indicates Analyte Detected 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

4. BTEX analyses by EPA Method SW 8021B 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).

Sample Point Excavated 9. --- Not Analyzed

by OCD: 2/28/2024 9:39:06 AM	Page 2
APPENDIX A: SITE CHARACTERIZATION DC	CUMENTATION

OSE POD Location Map

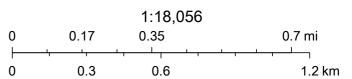


9/27/2023, 10:55:16 AM

Site Location

GIS WATERS PODs

- Active
- Pending



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New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

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

 \mathbf{X}

22S 34E

644531 3588351

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: WHITE, JOHN W

CP 00944 POD1

Drill Start Date: 03/05/2007

Drill Finish Date: 03/05/2007 Plug Date:

Log File Date: 03/22/2007 **PCW Rcv Date:**

Shallow Source:

Pipe Discharge Size: Pump Type:

Estimated Yield:

Casing Size: 5.00 **Depth Well:** 109 feet Depth Water: 70 feet

Water Bearing Stratifications: **Bottom Description** Top

> 62 72 Other/Unknown

Casing Perforations: Bottom Top

> 57 97

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

12/13/23 1:59 PM

POINT OF DIVERSION SUMMARY

F

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

1. OWNER OF WELL			
	Enstor Grama Ridge Storage &		
	ransportation		-
Contact:	20333 State Hwy. 249, Suite 400	Home Phone:	-
naaress	5000 Otato 1111y. 210, Outo 100		
City: H	louston	State: TX Zip: 77070	_
2 LOCATION OF WE	ELL(A,B,C,,or/D required,E or F if known	.)	
	$\frac{2W}{W}$ 1/4 $\frac{NW}{W}$ 1/4 Section: $\frac{3}{W}$ Towns		
B. X =	feet, Y =	feet, N.M. Coordinate SystemGrant.	
	ad Map	ordine.	
		402) 27 46.2	
	32 d 25 m 22.4 s Longitude		
D. East	(m), North (m), UTM Z	one 13, NAD(27 or 83)	
E. Tract No	, Map Noof the	Hydrographic Survey	
F. Lot No.	, Block Noof Unit/Tract	of the	
	Subdivision recorded in	County.	
G Other:			
G. Other.		11.4 1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	-
H. Give State F	Engineer File Number if existing well:		_
T On land orms	ed by (required): State of New Mexico		
1. On land Owne	otate of New Mexico		-
3. DRILLING CONTE			
License Number:		205 002 0050	
	White Drilling Company, Inc.	Work Phone: 325-893-2950 Home Phone: 325-893-2950	-
Mailing Address:	John W. White P.O. Box 906	Home Phone: 323-093-2990	-
narring marcoo.	110120000		
City:	Clyde	State: TX Zip: 79510	_
4 PRILITIG PECO	DD . 177#1		
4. DRILLING RECO	3/05/07 ; Completed: 3/05/07	· Type tools · Air Rotary ·	
		ft.;	
Completed well:		an);	
Depth to water w	upon completion of well: 70.0	ft.	
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		21 000	
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	Form provided by Forms	S On-A-Disk · 214-340-9429 · FormsOnADisk.com	/

Explore

File Number:

Depth in From 62.0	To		Thickness in feet 10.0	water-	ption of bearing f		E:	stimated (GPM)	
(inches	er s)	Pounds per ft Sch. 40	Thread: per in 4.0	Top 	Bottom 57.0	Length (feet) 57.0	Type of Shoe	From	То
5.0		.035	<u>4.0</u>	<u>57.0</u> 	97.0	40.0		57.0	97.0
	OF	IIODD II	NG AND C	EMENTING					
Depth From 100.0 54.0 30.0	in 54 30 0.0	.0 6 .0 5 .0 6 	Hole Diameter 3 3/4 3 3/4 3 3/4	Sacks of mud 28.0 9.0 22.0	Cubic Fo	8/16 Bent Cem	Method of Place sand. conite pellets. ent – hand mix	ment	
Depth From 100.0 54.0 30.0	in To 54 30 0.0	.0 .0	Hole Diameter 3 3/4 3 3/4 3 3/4 or: ss: od:	Sacks of mud 28.0 9.0 22.0	Cubic Fo	8/16 Bent	sand. tonite pellets. tent – hand mix	ment	
Depth From 100.0 54.0 30.0 PLUGGIN Pluggin Plu Date	To 54 30 0.0 NG F	.0 .0	Hole Diameter 3 3/4 3 3/4 3 3/4 or: ss: od:	Sacks of mud 28.0 9.0 22.0	Cubic Fo	8/16 Bent	sand. tonite pellets. tent – hand mix	ment	
Depth From 100.0 54.0 30.0 PLUGGIN Pluggin Plu Date lugging	To 54 30 0.0 NG F	RECORD Ontract Addre ng Meth l Plugg oroved	Hole Diameter 3 3/4 3 3/4 3 3/4 or: ss: od: ed: oby:	Sacks of mud 28.0 9.0 22.0 eet Cubi	Cubic For of Cemeral State State	Engineer Re	sand. tonite pellets. tent – hand mix epresentative	ment	
Depth From 100.0 54.0 30.0 PLUGGIN Pluggin Plu Date	To 54 30 0.0 NG F	RECORD Ontract Addre ng Meth 1 Plugg oroved No. To 1 2 3 4	Hole Diameter 3 3/4 3 3/4 3 3/4 or: ss: od: ed: oy: Depth in F	Sacks of mud 28.0 9.0 22.0 eet Cubi	Cubic For of Cements State State	Engineer Re	sand. tonite pellets. tent – hand mix epresentative	ment	

|--|

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9. LOG OF HOLE: WW#1

Depth in		Thickness	Color and Type of Material Encountered	
From 0.0	то 3.0	in feet 3.0	Reddish brown sand.	
3.0	4.0	1.0	Limestone.	
4.0	12.0	8.0	Caliche & tan sand.	
12.0	22.0	10.0	Light brown sand.	
22.0	30.0	8.0	Pinkish brown sand w/thin layers sandstone.	
30.0	57.0	27.0	Reddish brown sand tight packed.	
57.0	62.0	5.0	Reddish brown sandy clay.	
62.0	72.0	10.0	Orange brown sand moist @ 70.0'.	
72.0	80.0	8.0	Reddish brown clayey sand wet @ 72.0'.	
80.0	94.0	14.0	Reddish brown sand w/gravel.	
94.0	103.0	9.0	Pale yellow shale.	
103.0	109.0	6.0	Red brown shale.	
100.0	100.0	0.0	Trea brown shale.	
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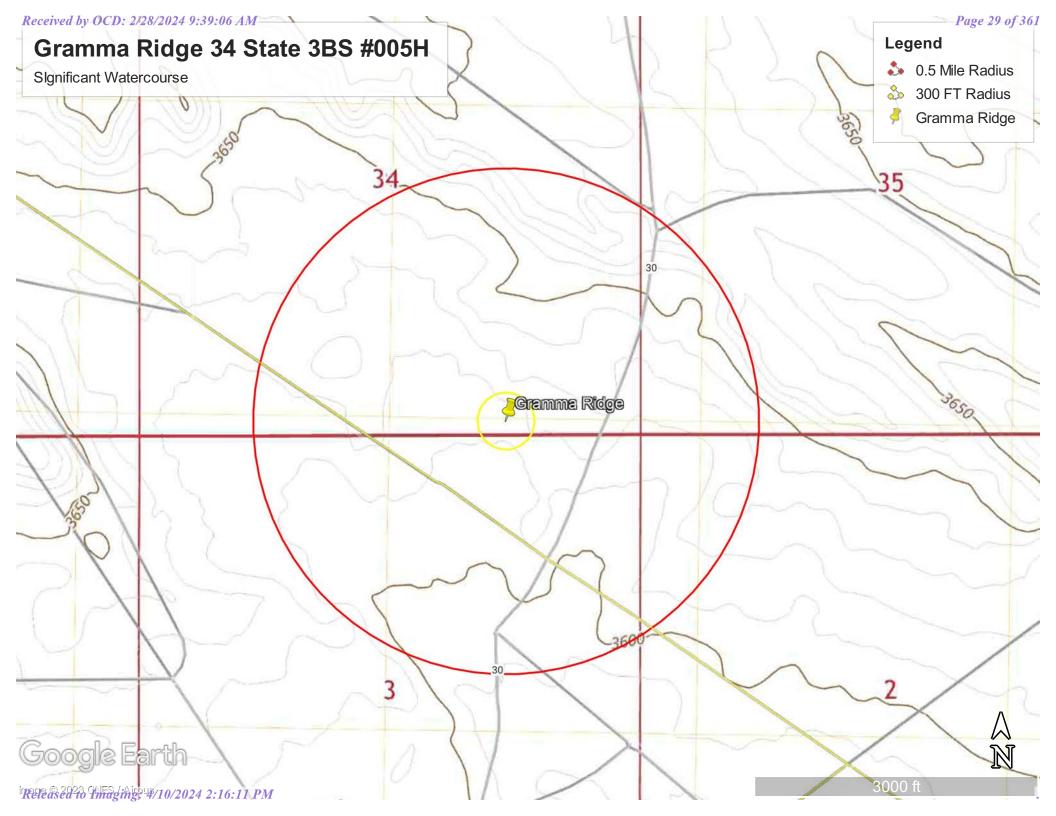
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*CP-944*page 3 of 4

Trn Number:

	File Number	:
	NEW MEXICO OFFICE OF THE STATE ENGINEE WELL RECORD	ER
ADDITIONA Domestic wate	AL STATEMENTS OR EXPLANATIONS: WW#1 er well.	
		And the same of th
The undersimple belief, the hole.	gned hereby certifies that, to the best of hi foregoing is a true and correct record of th	s knowledge and e above described
	3/19/02	
	Driller (mm/dd/year)	
		=======================================
	FOR STATE ENGINEER USE ONLY	
Quad; F	WL; FSL; Use; Location No	
e Number:	Trn Numbe	c:
Form: wr-2		·

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Gramma 34 State 3BS #005H



August 30, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

Other



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.

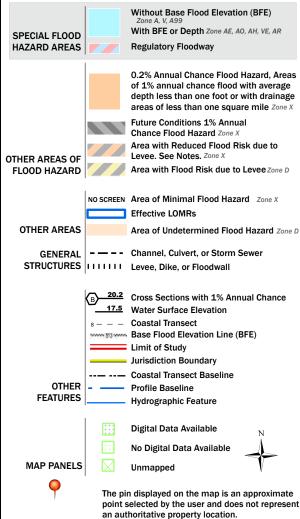
OReleas 250 Im 5 9 Ang: 4/10/2024 296:11 PM

Received by OCD: 2/28/2024 9:39:06 AM National Flood Hazard Layer FIRMette





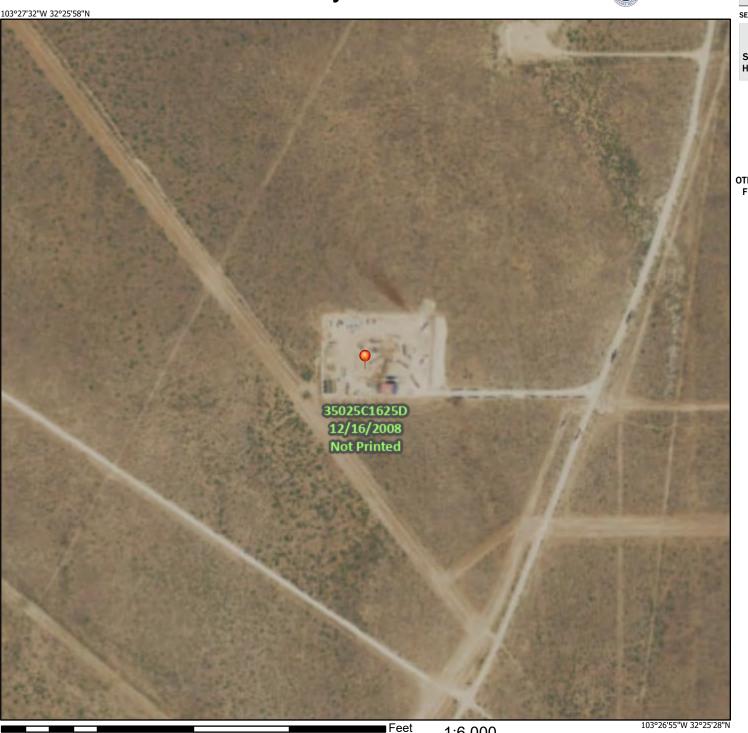
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



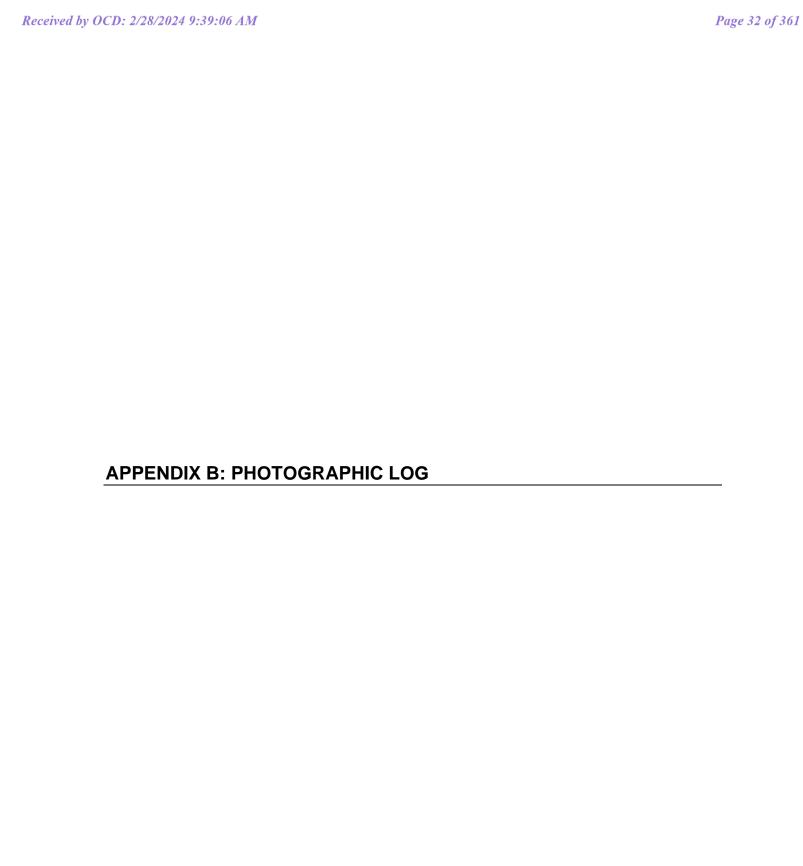
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/30/2023 at 4:15 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.



2,000



PHOTOGRAPHIC LOG

Earthstone Operating, LLC Grama Ridge 34 State 3BS # 005H

Photograph No. 1

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description:

View of release area.



Photograph No. 2

Facility: Grama Ridge 34 State 3BS #005H

Lea County, New Mexico County:

Description:

View of the release area.



Photograph No. 3

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description:

Area of excavation.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC Grama Ridge 34 State 3BS # 005H

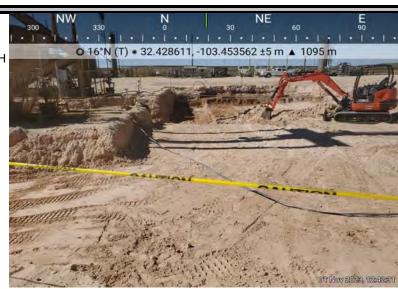
Photograph No. 4

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description:

Area of excavation.



Photograph No. 5

Facility: Grama Ridge 34 State 3BS #005H

Lea County, New Mexico County:

Description:

Area of excavation.



Photograph No. 6

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description:

Area of excavation.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC Grama Ridge 34 State 3BS # 005H

Photograph No. 7

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description:

Completed backfill of site.



Photograph No. 8

Facility: Grama Ridge 34 State 3BS #005H

County: Lea County, New Mexico

Description: Area of excavation.



Received by OCD: 2/28/2024 9:39:06 AM	Page 36 of 361
APPENDIX C: CONFIRMATION SAMPLING NOTIFICATIONS	
	

From: Wells, Shelly, EMNRD

To: Ricardo Baer

Cc: Becky Haskell; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

Date: Wednesday, November 1, 2023 3:49:06 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, November 1, 2023 2:30 PM

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

Cc: NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>; Becky Haskell

 bhaskell@ntglobal.com>

Subject: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

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

Good afternoon,

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

GRAMA RIDGE EAST 34 STATE COM 3BS #005H O-34-21S-34E Lea County, NM nAPP2324355629 Sampling will begin at 8:00 a.m. on Monday, November 6, 2023, and continue through Friday, November 10, 2023. Please let me know if you have any questions.

Thank you,

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

Rbaer@ntglobal.com



STATEMENT OF CONFIDENTIALITY: The contents of this e-mail and its attachments are intended solely for the addressee(s) hereof. In addition, this e-mail transmission may be confidential. If you are not the named addressee, or if this message has been addressed to you in error, you are directed not to read, disclose, reproduce, distribute, disseminate or otherwise use this transmission. Delivery of this message to any person other than the intended recipients(s) is not intended in any way to waive confidentiality. If you have received this transmission in error, please alert the sender by reply e-mail; we also request that you immediately delete this message and its attachments, if any.

Becky Haskell

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, November 9, 2023 2:07 PM

To: Ricardo Baer

Cc:Becky Haskell; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRDSubject:RE: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

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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: Thursday, November 9, 2023 12:09 PM

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

Subject: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

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Good afternoon,

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

GRAMA RIDGE EAST 34 STATE COM 3BS #005H O-34-21S-34E Lea County, NM nAPP2324355629

Sampling will begin at 8:00 a.m. on Tuesday, November 14, 2023, and continue through Friday, November 17, 2023. Please let me know if you have any questions.

Thank you,

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

Rbaer@ntglobal.com



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Becky Haskell

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, November 21, 2023 11:41 AM

To: Ricardo Baer

Cc:Becky Haskell; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRDSubject:RE: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

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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: Tuesday, November 21, 2023 10:28 AM

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

Cc: Becky Haskell

 haskell@ntglobal.com>; NTG Env Carlsbad <ntg env carlsbad@ntglobal.com>

Subject: [EXTERNAL] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

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.

GRAMA RIDGE EAST 34 STATE COM 3BS #005H O-34-21S-34E Lea County, NM nAPP2324355629

Sampling will begin at 8:00 a.m. on Monday, November 27, 2023, and continue through Friday, December 1, 2023. Please let me know if you have any questions.

Thank you,

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

Rbaer@ntglobal.com



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From: Ricardo Baer

To: ocd.enviro@emnrd.nm.gov
Cc: Becky Haskell; NTG Env Carlsbad

Subject: GRAMA RIDGE EAST 34 STATE COM 3BS #005H

Date: Wednesday, December 6, 2023 1:15:04 PM

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

image002.png

Good Morning,

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

GRAMA RIDGE EAST 34 STATE COM 3BS #005H O-34-21S-34E Lea County, NM nAPP2324355629

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

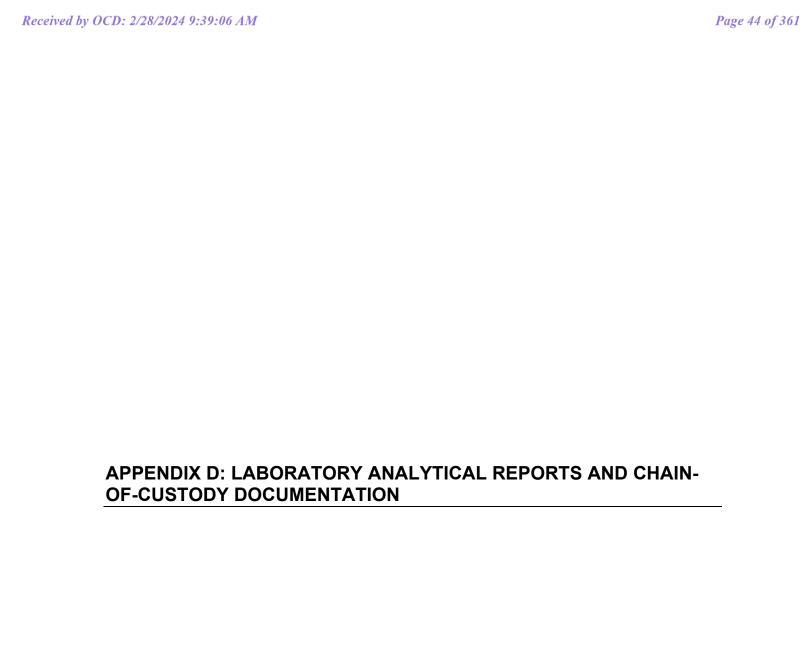
Thank you,

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

Rbaer@ntglobal.com



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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Becky Haskell NT Global 701 Tradewinds Blvd Midland, Texas 79706

Generated 9/20/2023 4:26:02 PM

JOB DESCRIPTION

Earthstone-Gramma Ridge 34 State 3BS #005H SDG NUMBER Lea Co., NM

JOB NUMBER

880-33291-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 9/20/2023 4:26:02 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Laboratory Job ID: 880-33291-1 SDG: Lea Co., NM

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Definitions/Glossary

Job ID: 880-33291-1 Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Qualifiers

GC VOA	
Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

RER

RPD

TEF

TEQ TNTC

RL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Eurofins Midland

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Case Narrative

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Job ID: 880-33291-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-33291-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on $9/14/2023\ 2:32\ PM$. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was $10.3^{\circ}C$

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: V-1 (0-6") (880-33291-1), V-1 (1-1.5') (880-33291-2), V-1 (2-2.5') (880-33291-3), V-1 (3-3.5') (880-33291-4), V-2 (0-6") (880-33291-5), V-2 (1-1.5') (880-33291-6), V-2 (2-2.5') (880-33291-7), V-2 (3-3.5') (880-33291-8), V-2 (4-4.5') (880-33291-9), V-3 (0-6") (880-33291-10), V-3 (1-1.5') (880-33291-11), V-3 (2-2.5') (880-33291-12), V-4 (0-6") (880-33291-13), V-4 (1-1.5') (880-33291-14), V-4 (2-2.5') (880-33291-15), V-4 (3-3.5') (880-33291-16), V-5 (0-6") (880-33291-17), V-5 (1-1.5') (880-33291-18), V-5 (2-2.5') (880-33291-19), V-5 (3-3.5') (880-33291-20), V-5 (4-4.5') (880-33291-21), V-5 (5-5.5') (880-33291-22), H-1 (0-6") (880-33291-23), H-2 (0-6") (880-33291-24), H-3 (0-6") (880-33291-25) and H-4 (0-6") (880-33291-26).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-62481 and analytical batch 880-62513 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-62513 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-62479 and analytical batch 880-62513 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: V-1 (0-6") (880-33291-1), V-1 (1-1.5') (880-33291-2), V-1 (2-2.5') (880-33291-3), V-1 (3-3.5') (880-33291-4), V-2 (0-6") (880-33291-5), V-2 (1-1.5') (880-33291-6), V-2 (2-2.5') (880-33291-7), V-2 (3-3.5') (880-33291-8), V-3 (0-6") (880-33291-10), V-3 (1-1.5') (880-33291-11), V-3 (2-2.5') (880-33291-12), V-4 (0-6") (880-33291-13), V-4 (1-1.5') (880-33291-14), V-4 (2-2.5') (880-33291-15), V-4 (3-3.5') (880-33291-16), V-5 (0-6") (880-33291-17), V-5 (1-1.5') (880-33291-18), V-5 (2-2.5') (880-33291-19), V-5 (3-3.5') (880-33291-20), V-5 (4-4.5') (880-33291-21), V-5 (5-5.5') (880-33291-22), H-1 (0-6") (880-33291-23), H-2 (0-6") (880-33291-24), H-3 (0-6") (880-33291-25), H-4 (0-6") (880-33291-26), (CCV 880-62513/2), (CCV 880-62513/20), (CCV 880-62513/33), (CCV 880-62513/51), (CCV 880-62513/64), (CCV 880-62513/82), (LCS 880-62479/1-A), (LCS 880-62481/1-A), (LCS 880-62479/2-A), (LCS 880-62481/2-A), (MB 880-62479/5-A), (MB 880-62481/5-A), (880-33291-A-1-A MS), (880-33291-A-1-B MSD), (880-33291-A-21-A MS) and (880-33291-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

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Case Narrative

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Job ID: 880-33291-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-62493 and analytical batch 880-62509 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-62509/31), (CCV 880-62509/47), (CCV 880-62509/58) and (LCS 880-62493/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: V-1 (0-6") (880-33291-1), V-1 (1-1.5') (880-33291-2), V-1 (2-2.5') (880-33291-3), V-1 (3-3.5') (880-33291-4), V-2 (0-6") (880-33291-5), V-2 (1-1.5') (880-33291-6), V-2 (2-2.5') (880-33291-7), V-2 (3-3.5') (880-33291-8), V-3 (0-6") (880-33291-10), V-3 (1-1.5') (880-33291-11), V-3 (2-2.5') (880-33291-12), V-4 (0-6") (880-33291-13), V-4 (1-1.5') (880-33291-14), V-4 (2-2.5') (880-33291-15), V-4 (3-3.5') (880-33291-16), (890-5251-A-12-B), (890-5251-A-12-C MS) and (890-5251-A-12-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-62493 and analytical batch 880-62509 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: V-5 (0-6") (880-33291-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: V-5 (2-2.5') (880-33291-19), V-5 (3-3.5') (880-33291-20), V-5 (4-4.5') (880-33291-21), V-5 (5-5.5') (880-33291-22), H-2 (0-6") (880-33291-24), H-3 (0-6") (880-33291-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-62557 and analytical batch 880-62821 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-62558 and analytical batch 880-62851 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 880-33291-1 SDG: Lea Co., NM

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Client Sample ID: V-1 (0-6") Lab Sample ID: 880-33291-1 Date Collected: 09/13/23 00:00

Matrix: Solid

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
Toluene	< 0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 15:52	09/16/23 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	200	S1+	70 - 130				09/14/23 15:52	09/16/23 03:53	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/14/23 15:52	09/16/23 03:53	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/16/23 03:53	1
- Method: SW846 8015 NM - Diese	el Range Organ	ice (DPO) (GC)						
		ICS IDINOI I	GC1						
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH			•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/15/23 21:15	Dil Fac
Analyte Total TPH	Result 3850	Qualifier	RL 50.1	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 3850 sel Range Orga	Qualifier	RL 50.1			<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 3850 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.1		mg/Kg			09/15/23 21:15	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 3850 sel Range Orga Result	Qualifier nics (DRO) Qualifier	RL 50.1 (GC)		mg/Kg		Prepared	09/15/23 21:15 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 3850 sel Range Orga Result <50.1	Qualifier unics (DRO) Qualifier U	RL 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06	09/15/23 21:15 Analyzed 09/15/23 21:15	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 3850 sel Range Orga	Qualifier unics (DRO) Qualifier U	RL 50.1 (GC) RL 50.1 50.1 50.1		mg/Kg Unit mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 3850	Qualifier unics (DRO) Qualifier U	RL 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15 Analyzed	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 3850	Qualifier unics (DRO) Qualifier U	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15 Analyzed 09/15/23 21:15	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 3850	Qualifier unics (DRO) Qualifier U	RL 50.1		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15 Analyzed	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 3850	Qualifier U Qualifier U Qualifier S1+	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15 Analyzed 09/15/23 21:15	1 1 <i>Dil Fac</i> 1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 3850	Qualifier U Qualifier U Qualifier S1+	RL 50.1 (GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 21:15 Analyzed 09/15/23 21:15 09/15/23 21:15 09/15/23 21:15 Analyzed 09/15/23 21:15	Dil Fac

Client Sample ID: V-1 (1-1.5') Lab Sample ID: 880-33291-2 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130				09/14/23 15:52	09/16/23 04:19	1
1,4-Difluorobenzene (Surr)	110		70 - 130				09/14/23 15:52	09/16/23 04:19	1

Client Sample Results

Client: NT Global

Job ID: 880-33291-1 SDG: Lea Co., NM

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Lab Sample ID: 880-33291-2

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Client Sample ID: V-1 (1-1.5')

Matrix: Solid

Method: TAL SOP Total BTEX - To									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 04:19	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.1		50.5		mg/Kg			09/15/23 21:37	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		09/14/23 17:06	09/15/23 21:37	1
(GRO)-C6-C10									
Diesel Range Organics (Over	85.1		50.5		mg/Kg		09/14/23 17:06	09/15/23 21:37	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/14/23 17:06	09/15/23 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				09/14/23 17:06	09/15/23 21:37	1
o-Terphenyl	146	S1+	70 - 130				09/14/23 17:06	09/15/23 21:37	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1740		24.8		mg/Kg		-	09/19/23 00:17	5

Client Sample ID: V-1 (2-2.5') Lab Sample ID: 880-33291-3 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	181	S1+	70 - 130				09/14/23 15:52	09/16/23 04:45	1
4-Bromofluorobenzene (Surr)	101	07.							
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	106		70 - 130				09/14/23 15:52	09/16/23 04:45	1
1,4-Difluorobenzene (Surr)	- Total BTEX Cald	culation Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	09/14/23 15:52 Prepared	09/16/23 04:45 Analyzed 09/16/23 04:45	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Culation Qualifier	RL 0.00398		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/16/23 04:45	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	_ =		Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg	_ =	Prepared	Analyzed 09/16/23 04:45 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Cald Result <0.00398 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9	MDL	mg/Kg	_ =	Prepared	Analyzed 09/16/23 04:45 Analyzed	Dil Fac Dil Fac Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00398 esel Range Organ Result <49.9	culation Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.9 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/16/23 04:45 Analyzed 09/15/23 21:58	Dil Fac

Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

SDG: Lea Co., NM

Client Sample ID: V-1 (2-2.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/23 17:06	09/15/23 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				09/14/23 17:06	09/15/23 21:58	1
o-Terphenyl	142	S1+	70 - 130				09/14/23 17:06	09/15/23 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	508		5.04		mg/Kg			09/19/23 00:24	1

Client Sample ID: V-1 (3-3.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-4

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 15:52	09/16/23 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	295	S1+	70 - 130				09/14/23 15:52	09/16/23 05:11	1
1.4-Difluorobenzene (Surr)	70		70 - 130				09/14/23 15:52	09/16/23 05:11	1

Method: TAL SOP Total BTEX - Total BT	EX Calculation				
1,4-Difluorobenzene (Surr)	70	70 - 130	09/14/23 15:52	09/16/23 05:11	1
4-Bromofluorobenzene (Surr)	295 S1+	70 - 130	09/14/23 15:52	09/16/23 05:11	1

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Total BTEX	<0.00399	U	0.00399		mg/Kg			09/16/23 05:11	1	
[- - - - Mothod: SW846 8015 NM - Diocol B	Pango Organ	ice (DPO) (C	3C)							

Method: SW846 8015 NM - Diesel Ran	ige Organi	ics (DRO) (C	3C)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			09/15/23 22:20	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		09/14/23 17:06	09/15/23 22:20	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		09/14/23 17:06	09/15/23 22:20	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/14/23 17:06	09/15/23 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/14/23 17:06	09/15/23 22:20	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		5.02		mg/Kg			09/19/23 00:30	1

70 - 130

136 S1+

Eurofins Midland

o-Terphenyl

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-2 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-5

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
Ethylbenzene	< 0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
o-Xylene	< 0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 15:52	09/16/23 05:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130				09/14/23 15:52	09/16/23 05:38	1
1,4-Difluorobenzene (Surr)	87		70 - 130				09/14/23 15:52	09/16/23 05:38	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/16/23 05:38	-
	•		•	MDI	Unit	n	Propared	Analyzod	Dil Fa
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•		•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/15/23 22:41	Dil Fac
Analyte	Result 318	Qualifier	RL 50.3	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH	Result 318 sel Range Orga	Qualifier	RL 50.3	MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result 318 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 50.3		mg/Kg			09/15/23 22:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result 318 sel Range Orga Result <50.3	Qualifier nics (DRO) Qualifier	RL 50.3		mg/Kg Unit mg/Kg		Prepared 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 318 sel Range Orga Result	Qualifier nics (DRO) Qualifier	FL 50.3 (GC)		mg/Kg		Prepared	09/15/23 22:41 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 318 sel Range Orga Result <50.3	Qualifier nics (DRO) Qualifier U	RL 50.3		mg/Kg Unit mg/Kg		Prepared 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result 318	Qualifier nics (DRO) Qualifier U	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared	Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 318	Qualifier nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 318	Qualifier nics (DRO) Qualifier U	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared	Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 318	Qualifier Dics (DRO) Qualifier U Qualifier S1+ S1+	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier Dics (DRO) Qualifier U Qualifier S1+ S1+	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Face

Client Sample ID: V-2 (1-1.5') Lab Sample ID: 880-33291-6 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/23 15:52	09/16/23 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	295	S1+	70 - 130				09/14/23 15:52	09/16/23 06:04	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/14/23 15:52	09/16/23 06:04	1

Client Sample Results

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-2 (1-1.5')

Date Collected: 09/13/23 00:00

Lab Sample ID: 880-33291-6

Matrix: Solid

Method: TAL SOP Total BTEX - T	otal BIEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/16/23 06:04	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	108		49.5		mg/Kg			09/15/23 23:25	
Method: SW846 8015B NM - Dies	ol Pango Orga	nice (DPO)	(GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.5	U	49.5		mg/Kg		09/14/23 17:06	09/15/23 23:25	
(GRO)-C6-C10									
Diesel Range Organics (Over	108		49.5		mg/Kg		09/14/23 17:06	09/15/23 23:25	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/14/23 17:06	09/15/23 23:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	137	S1+	70 - 130				09/14/23 17:06	09/15/23 23:25	
o-Terphenyl	129		70 - 130				09/14/23 17:06	09/15/23 23:25	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hv - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	361		5.01		mg/Kg			09/19/23 00:43	

Client Sample ID: V-2 (2-2.5') Lab Sample ID: 880-33291-7 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
		S1+	70 - 130				09/14/23 15:52	09/16/23 06:30	1
4-Bromofluorobenzene (Surr)	290	31+	70 - 700				00/1 // 20 10.02		
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	107	culation	70 - 130			_	09/14/23 15:52	09/16/23 06:30	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	culation Qualifier	70 - 130 RL	MDL		<u>D</u>		Analyzed	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00398	Culation Qualifier	70 - 130 RL 0.00398	MDL	Unit mg/Kg	<u>D</u>	09/14/23 15:52		1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	culation Qualifier U	70 - 130 RL 0.00398		mg/Kg	=	09/14/23 15:52 Prepared	Analyzed 09/16/23 06:30	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00398		mg/Kg	<u>D</u>	09/14/23 15:52	Analyzed 09/16/23 06:30 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.5	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00398 GC) RL 49.5		mg/Kg	=	09/14/23 15:52 Prepared	Analyzed 09/16/23 06:30	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Cald Result <0.00398 esel Range Organ Result <49.5	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00398 GC) RL 49.5		mg/Kg Unit mg/Kg	=	09/14/23 15:52 Prepared	Analyzed 09/16/23 06:30 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00398 esel Range Organ Result <49.5	culation Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	70 - 130 RL 0.00398 GC) RL 49.5	MDL	mg/Kg Unit mg/Kg	<u></u>	Prepared Prepared	Analyzed 09/16/23 06:30 Analyzed 09/15/23 23:47	Dil Fac

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-2 (2-2.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-7

Analyzed

Prepared

Matrix: Solid

Method: SW846 8015B NM - Diesel Ran	ige Orga	nics (DRO)	(GC) (Continued)		
Analyte	Result	Qualifier	RL	MDL Unit	D

Oll Range Organics (Over C28-C36)	<49.5	U	49.5	mg/Kg	09/14/23 17:06	09/15/23 23:47	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130		09/14/23 17:06	09/15/23 23:47	1
o-Terphenyl	140	S1+	70 - 130		09/14/23 17:06	09/15/23 23:47	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Solubl	е							
Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	637	F1	4.99		mg/Kg				09/19/23 00:50	1

Client Sample ID: V-2 (3-3.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-8

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 15:52	09/16/23 06:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130				09/14/23 15:52	09/16/23 06:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				09/14/23 15:52	09/16/23 06:56	1

Method: TAL SOP Total BTEX - Tot	al BTEX Calculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	ma/Ka			09/16/23 06:56	1

Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/16/23 00:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		09/14/23 17:06	09/16/23 00:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		09/14/23 17:06	09/16/23 00:09	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/14/23 17:06	09/16/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				09/14/23 17:06	09/16/23 00:09	1
o-Ternhenyl	1/12	91 ±	70 130				00/14/23 17:06	00/16/23 00:00	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		4.97		mg/Kg			09/19/23 01:10	1

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-3 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-10

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 15:52	09/16/23 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130				09/14/23 15:52	09/16/23 07:51	1
1,4-Difluorobenzene (Surr)	74		70 - 130				09/14/23 15:52	09/16/23 07:51	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/16/23 07:51	1
Method: SW846 8015 NM - Diese			•			_			D.: E
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/16/23 00:31	
Analyte Total TPH Method: SW846 8015B NM - Die	Result <50.3	Qualifier Unics (DRO)	RL 50.3		mg/Kg			09/16/23 00:31	1
Analyte Total TPH Method: SW846 8015B NM - Die Analyte	Result <50.3 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.3 (GC)	MDL	mg/Kg	<u>D</u>	Prepared	09/16/23 00:31 Analyzed	1 Dil Fac
Analyte Total TPH	Result <50.3	Qualifier Unics (DRO) Qualifier	RL 50.3		mg/Kg			09/16/23 00:31	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.3 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC)		mg/Kg		Prepared	09/16/23 00:31 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.3 sel Range Orga Result <50.3	Qualifier U nics (DRO) Qualifier U	RL 50.3 (GC) RL 50.3		mg/Kg Unit mg/Kg		Prepared 09/14/23 17:06	09/16/23 00:31 Analyzed 09/16/23 00:31	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06	09/16/23 00:31 Analyzed 09/16/23 00:31 09/16/23 00:31 09/16/23 00:31	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.3 (GC) RL 50.3 50.3 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06	09/16/23 00:31 Analyzed 09/16/23 00:31 09/16/23 00:31	Dil Face 1 1 1 Dil Face
Analyte Total TPH Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 50.3		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared	09/16/23 00:31 Analyzed 09/16/23 00:31 09/16/23 00:31 09/16/23 00:31 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.3	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/16/23 00:31 Analyzed 09/16/23 00:31 09/16/23 00:31 09/16/23 00:31 Analyzed 09/16/23 00:31	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier S1+	RL 50.3 (GC) RL 50.3 50.3 50.3 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/14/23 17:06 09/14/23 17:06 09/14/23 17:06 Prepared 09/14/23 17:06	09/16/23 00:31 Analyzed 09/16/23 00:31 09/16/23 00:31 09/16/23 00:31 Analyzed 09/16/23 00:31	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: V-3 (1-1.5') Lab Sample ID: 880-33291-11 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Method: SW846 8021B - Volat	•	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 15:52	09/16/23 09:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	249	S1+	70 - 130				09/14/23 15:52	09/16/23 09:37	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/14/23 15:52	09/16/23 09:37	1

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-3 (1-1.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-11

Matrix: Solid

<0.00402	П							
	J	0.00402		mg/Kg			09/16/23 09:37	1
lange Organ	ics (DRO) (GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.7	U	49.7		mg/Kg			09/16/23 00:52	1
Range Orga	nics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.7	U	49.7		mg/Kg		09/14/23 17:06	09/16/23 00:52	1
<49.7	U	49.7		mg/Kg		09/14/23 17:06	09/16/23 00:52	1
<49.7	U	49.7		mg/Kg		09/14/23 17:06	09/16/23 00:52	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
137	S1+	70 - 130				09/14/23 17:06	09/16/23 00:52	1
127		70 - 130				09/14/23 17:06	09/16/23 00:52	1
	Result <49.7 Range Orga Result <49.7 <49.7 <49.7 <49.7 %Recovery 137	Result Qualifier U	<49.7	Result Qualifier RL MDL <49.7	Result Qualifier RL MDL mg/Kg Unit mg/Kg Range Organics (DRO) (GC) Result Qualifier RL MDL mg/Kg Unit mg/Kg <49.7 U 49.7 mg/Kg	Result Qualifier RL MDL mg/Kg Unit mg/Kg D mg/Kg Range Organics (DRO) (GC) Result Qualifier RL MDL Unit mg/Kg D mg/Kg <49.7	Result Qualifier RL MDL mg/Kg Unit mg/Kg D mg/Kg Range Organics (DRO) (GC) Result Qualifier RL MDL Unit mg/Kg D mg/Kg Prepared 09/14/23 17:06 <49.7 U	Result Qualifier RL MDL Unit mg/Kg D mg/Kg Prepared 09/16/23 00:52 Range Organics (DRO) (GC) Result 49.7 Qualifier MDL Unit mg/Kg D mg/Kg Prepared Prepared 09/14/23 17:06 Analyzed 09/16/23 00:52 <49.7

5.03 Client Sample ID: V-3 (2-2.5') Lab Sample ID: 880-33291-12

mg/Kg

183

Date Collected: 09/13/23 00:00

Chloride

Date Received: 09/14/23 14:32

09/19/23 14:34

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 10:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 10:04	,
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 10:04	
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		09/14/23 15:52	09/16/23 10:04	
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 10:04	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/23 15:52	09/16/23 10:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	298	S1+	70 - 130				09/14/23 15:52	09/16/23 10:04	
							00// //00 / 5 50	00/40/00 40 04	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 R L	MDL	Unit	D	09/14/23 15:52 Prepared	09/16/23 10:04 Analyzed	
		culation	70 - 130				09/14/23 15:52	09/16/23 10:04	,
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00401	Qualifier U	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401 essel Range Organ	Qualifier U	RL 0.00401			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00401 essel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 09/16/23 10:04	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/16/23 10:04 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 ——————————————————————————————————	MDL	mg/Kg		Prepared	Analyzed 09/16/23 10:04 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Method: S	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.8	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00401 GC) RL 49.8	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/16/23 10:04 Analyzed 09/16/23 01:14	Dil Fa

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-3 (2-2.5')

Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-12 Date Collected: 09/13/23 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/14/23 17:06	09/16/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130			09/14/23 17:06	09/16/23 01:14	1
o-Terphenyl	137	S1+	70 - 130			09/14/23 17:06	09/16/23 01:14	1

Method: EPA 300.0 - Anions, Ion Ch	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.04		mg/Kg			09/19/23 14:40	1

Client Sample ID: V-4 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-13

Matrix: Solid

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	268	S1+	70 - 130				09/14/23 15:52	09/16/23 10:30	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/14/23 15:52	09/16/23 10:30	1

Method: TAL SOP Total BTEX -	Total BTEX Calculation					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Anal

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			09/16/23 10:30	1

Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (C	SC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	741	49.6	ma/Ka			09/16/23 01:36	1

Total TPH	741	49.6	mg/Kg	09/16/23 01:36	1
Method: SW846 8015B NM - Diese	I Range Organics (DR0	O) (GC)			

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/14/23 17:06	09/16/23 01:36	1
Diesel Range Organics (Over C10-C28)	741		49.6		mg/Kg		09/14/23 17:06	09/16/23 01:36	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/14/23 17:06	09/16/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	09/14/23 17:06	09/16/23 01:36	1
o-Terphenyl	117		70 - 130	09/14/23 17:06	09/16/23 01:36	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340	25.0	ma/Ka			09/19/23 14:47	5

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H
SDG: Lea Co., NM

Client Sample ID: V-4 (1-1.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-14

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 15:52	09/16/23 10:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	332	S1+	70 - 130				09/14/23 15:52	09/16/23 10:57	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/14/23 15:52	09/16/23 10:57	1

Method: TAL SOP Total BTEX - Total BTEX CalculationAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacTotal BTEX<0.00402</td>U0.00402mg/Kg09/16/23 10:571

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.3 U Gasoline Range Organics 50.3 09/14/23 17:06 09/16/23 01:58 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 50.3 09/14/23 17:06 09/16/23 01:58 132 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.3 U 50.3 mg/Kg 09/14/23 17:06 09/16/23 01:58 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 134 S1+ 70 - 130 09/14/23 17:06 09/16/23 01:58 123 70 - 130 09/14/23 17:06 09/16/23 01:58 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride158024.9mg/Kg09/19/23 14:545

Client Sample ID: V-4 (2-2.5')

Date Collected: 09/13/23 00:00

Lab Sample ID: 880-33291-15

Matrix: Solid

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/14/23 15:52	09/16/23 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	320	S1+	70 - 130				09/14/23 15:52	09/16/23 11:24	1
1.4-Difluorobenzene (Surr)	81		70 - 130				09/14/23 15:52	09/16/23 11:24	1

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-4 (2-2.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-15

09/16/23 02:20

09/16/23 02:20

Lab Sample ID: 880-33291-16

Matrix: Solid

09/14/23 17:06

09/14/23 17:06

09/14/23 17:06

09/14/23 17:06

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/16/23 11:24	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/16/23 02:20	1
Method: SW846 8015B NM - Dies		,	. ,	MDI	Unit	n	Propared	Analyzod	Dil Eac
		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	. ,	MDL	Unit mg/Kg	<u>D</u>	Prepared 09/14/23 17:06	Analyzed 09/16/23 02:20	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier	RL _	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U	RL _	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.4	Qualifier U	RL 50.4	MDL	mg/Kg	<u>D</u>	09/14/23 17:06	09/16/23 02:20	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.4	Qualifier U	RL 50.4	MDL	mg/Kg	<u>D</u>	09/14/23 17:06	09/16/23 02:20	Dil Fac 1 1 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 977 4.98 mg/Kg 09/19/23 15:00

70 - 130

70 - 130

135 S1+

128

<50.2 U

<50.2 U

Client Sample ID: V-4 (3-3.5')

Date Collected: 09/13/23 00:00

1-Chlorooctane o-Terphenyl

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	309	S1+	70 - 130				09/14/23 15:52	09/16/23 11:50	1
1,4-Difluorobenzene (Surr)	128		70 - 130				09/14/23 15:52	09/16/23 11:50	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 11:50	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
			DI.	MDL	Unit	D	Prepared	Analyzed	
Analyte	Result	Qualifier	RL					•	Dil Fac
Analyte Total TPH	Result <50.2		50.2		mg/Kg			09/16/23 02:42	Dil Fac
	<50.2	U	50.2		mg/Kg			09/16/23 02:42	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg Unit		Prepared	09/16/23 02:42 Analyzed	Dil Fac Dil Fac

Eurofins Midland

09/16/23 02:42

09/16/23 02:42

50.2

50.2

mg/Kg

mg/Kg

Gasoline Range Organics

Diesel Range Organics (Over

(GRO)-C6-C10

C10-C28)

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-4 (3-3.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/14/23 17:06	09/16/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				09/14/23 17:06	09/16/23 02:42	1
o-Terphenyl	136	S1+	70 - 130				09/14/23 17:06	09/16/23 02:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed 5.04 09/19/23 15:33 240 Chloride mg/Kg

Client Sample ID: V-5 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-33291-17

09/16/23 12:17

09/14/23 15:52

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00198 U 0.00198 09/14/23 15:52 09/16/23 12:17 mg/Kg Toluene <0.00198 U 0.00198 09/14/23 15:52 09/16/23 12:17 mg/Kg Ethylbenzene <0.00198 U 0.00198 09/14/23 15:52 09/16/23 12:17 mg/Kg m-Xylene & p-Xylene 09/14/23 15:52 09/16/23 12:17 <0.00396 U*+ 0.00396 mg/Kg o-Xylene <0.00198 U 0.00198 mg/Kg 09/14/23 15:52 09/16/23 12:17 <0.00396 U Xylenes, Total 0.00396 mg/Kg 09/14/23 15:52 09/16/23 12:17 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 09/14/23 15:52 09/16/23 12:17 4-Bromofluorobenzene (Surr) 310 S1+

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00396 U 0.00396 mg/Kg 09/16/23 12:17

70 - 130

105

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed 50.4 09/15/23 18:42 **Total TPH** 98.9 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <50.4 50.4 09/15/23 12:04 09/15/23 18:42 Gasoline Range Organics mg/Kg (GRO)-C6-C10 09/15/23 12:04 09/15/23 18:42 **Diesel Range Organics (Over** 98.9 50.4 mg/Kg OII Range Organics (Over C28-C36) <50.4 U 50.4 mg/Kg 09/15/23 12:04 09/15/23 18:42 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 128 70 - 130 09/15/23 12:04 09/15/23 18:42 09/15/23 12:04 09/15/23 18:42 o-Terphenyl 137 S1+ 70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 24.9 09/19/23 19:03 3810 mg/Kg

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-5 (1-1.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 12:43	
Toluene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 12:43	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 12:43	
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		09/14/23 15:52	09/16/23 12:43	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/14/23 15:52	09/16/23 12:43	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 15:52	09/16/23 12:43	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	344	S1+	70 - 130				09/14/23 15:52	09/16/23 12:43	
1,4-Difluorobenzene (Surr)	115		70 - 130				09/14/23 15:52	09/16/23 12:43	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 12:43	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.3	U	50.3		mg/Kg			09/15/23 19:47	
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/15/23 12:04	09/15/23 19:47	
Diesel Range Organics (Over	<50.3	U	50.3		mg/Kg		09/15/23 12:04	09/15/23 19:47	
3 - 3 (-			30.3						
C10-C28)									
C10-C28)	<50.3	U	50.3		mg/Kg		09/15/23 12:04	09/15/23 19:47	
C10-C28) OII Range Organics (Over C28-C36)					mg/Kg		09/15/23 12:04 Prepared	09/15/23 19:47 Analyzed	
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.3		50.3		mg/Kg				
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.3		50.3		mg/Kg		Prepared	Analyzed	Dil Fa
C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.3 **Recovery 124 130	Qualifier	50.3 Limits 70 - 130 70 - 130		mg/Kg		Prepared 09/15/23 12:04	Analyzed 09/15/23 19:47	Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.3 **Recovery 124 130 Chromatograp	Qualifier	50.3 Limits 70 - 130 70 - 130	MDL		D	Prepared 09/15/23 12:04	Analyzed 09/15/23 19:47	Dil Fa

Client Sample ID: V-5 (2-2.5') Lab Sample ID: 880-33291-19 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/14/23 15:52	09/16/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	373	S1+	70 - 130				09/14/23 15:52	09/16/23 13:11	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/14/23 15:52	09/16/23 13:11	1

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1 SDG: Lea Co., NM

Client Sample ID: V-5 (2-2.5') Lab Sample ID: 880-33291-19

Matrix: Solid

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/16/23 13:11	1

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (GC)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			09/15/23 20:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/15/23 12:04	09/15/23 20:09	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/15/23 12:04	09/15/23 20:09	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/15/23 12:04	09/15/23 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/15/23 12:04	09/15/23 20:09	1
o-Terphenvl	134	S1+	70 - 130				09/15/23 12:04	09/15/23 20:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	564		5.03		mg/Kg			09/19/23 19:26	1

Client Sample ID: V-5 (3-3.5') Lab Sample ID: 880-33291-20 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

Released to Imaging: 4/10/2024 2:16:11 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/23 15:52	09/16/23 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	308	S1+	70 - 130				09/14/23 15:52	09/16/23 13:38	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX -	Total BTEX Cald	culation	70 - 130				09/14/23 15:52	09/16/23 13:38	1
Method: TAL SOP Total BTEX - Analyte	Total BTEX Cald	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	09/14/23 15:52 Prepared	Analyzed	•
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Cald Result <0.00401	Qualifier U	RL 0.00401	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result <0.00401 sel Range Organ	Qualifier U	RL 0.00401		mg/Kg		Prepared	Analyzed 09/16/23 13:38	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00401 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg	<u>D</u>		Analyzed 09/16/23 13:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result <0.00401 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 09/16/23 13:38	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00401 sel Range Organ Result <50.1	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 GC) RL 50.1		mg/Kg		Prepared	Analyzed 09/16/23 13:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Dies	Total BTEX Calc Result <0.00401 sel Range Organ Result <50.1 esel Range Orga	Qualifier U ics (DRO) (Qualifier U	RL 0.00401 GC) RL 50.1		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/16/23 13:38 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00401 sel Range Organ Result <50.1 esel Range Orga Result Result Result	Qualifier U ics (DRO) (Qualifier U nics (DRO)	RL 0.00401 GC) RL 50.1	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/16/23 13:38 Analyzed 09/15/23 20:30	Dil Fac

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Lab Sample ID: 880-33291-20

Matrix: Solid

Client Sample ID: V-5 (3-3.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte Result Qualifier RL										
Oll Range Organics (Over C28-C36)	<50.1	U	50.1							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/15/23 12:04	09/15/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				09/15/23 12:04	09/15/23 20:30	1
o-Terphenyl	120	S1+	70 - 130				09/15/23 12:04	09/15/23 20:30	1

Method: EPA 300.0 - Anions	, Ion Chromatography - Soluble	
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	639		5.05		mg/Kg			09/19/23 19:37	1

Client Sample ID: V-5 (4-4.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-21

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/14/23 16:00	09/16/23 17:39	1
Surrogato	% Pacayony	Qualifier	Limite				Propared	Analyzod	Dil Eac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	327	S1+	70 - 130	09/14/23 16:00	09/16/23 17:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/14/23 16:00	09/16/23 17:39	1

Method: TAL SO	OP Total BTEX - To	tal BTEX	Calculation
		_	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396		mg/Kg			09/16/23 17:39	1

Method: SW846 8015 NM	- Diesel F	Range	Org	anics	(DRO)	(GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			09/15/23 20:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

I and the second		, , ,	,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 20:52	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 20:52	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 20:52	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125	70 - 130	09/15/23 12:04	09/15/23 20:52	1
o-Terphenyl	133 S1+	70 - 130	09/15/23 12:04	09/15/23 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050	5.01	mg/Kg			09/19/23 19:48	1

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-5 (5-5.5')

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-22

. Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/14/23 16:00	09/16/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	341	S1+	70 - 130				09/14/23 16:00	09/16/23 18:05	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/14/23 16:00	09/16/23 18:05	1
- Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/16/23 18:05	1
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		<u> </u>	09/15/23 21:15	1
- Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/15/23 12:04	09/15/23 21:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/15/23 12:04	09/15/23 21:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/15/23 12:04	09/15/23 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/15/23 12:04	09/15/23 21:15	1
o-Terphenyl	139	S1+	70 - 130				09/15/23 12:04	09/15/23 21:15	1
- Method: EPA 300.0 - Anions, lor	n Chromatogran	hv - Solubl	e						

Client Sample ID: H-1 (0-6")

Date Collected: 09/13/23 00:00

Lab Sample ID: 880-33291-23

Matrix: Solid

1480

25.1

mg/Kg

Date Received: 09/14/23 14:32

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/14/23 16:00	09/16/23 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	324	S1+	70 - 130				09/14/23 16:00	09/16/23 18:32	1
1.4-Difluorobenzene (Surr)	88		70 - 130				09/14/23 16:00	09/16/23 18:32	1

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09/19/23 20:21

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: H-1 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-23

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/16/23 18:32	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	122		49.6		mg/Kg			09/15/23 21:37	1
Method: SW846 8015B NM - Dies Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte				MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	O	49.6		mg/Kg		09/15/23 12:04	09/15/23 21:37	
Diesel Range Organics (Over C10-C28)	122		49.6		mg/Kg		09/15/23 12:04	09/15/23 21:37	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/15/23 12:04	09/15/23 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/15/23 12:04	09/15/23 21:37	1
o-Terphenyl	129		70 - 130				09/15/23 12:04	09/15/23 21:37	1

4.99 Client Sample ID: H-2 (0-6") Lab Sample ID: 880-33291-24

mg/Kg

337

Date Collected: 09/13/23 00:00

Chloride

Date Received: 09/14/23 14:32

09/19/23 20:33

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/14/23 16:00	09/16/23 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	284	S1+	70 - 130				09/14/23 16:00	09/16/23 18:59	1
							00// //00 / 000	00//0/00 /0 50	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte		culation Qualifier	70 ₋ 130 RL	MDL	Unit	D	09/14/23 16:00 Prepared	09/16/23 18:59 Analyzed	
		culation	70 - 130				09/14/23 16:00	09/16/23 18:59	7
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00402	Qualifier U	RL 0.00402	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U	RL 0.00402	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00402 esel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00402		mg/Kg		Prepared	Analyzed 09/16/23 18:59	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	esel Range Organ Result C.00402 esel Range Organ Result <50.2	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————		mg/Kg		Prepared	Analyzed 09/16/23 18:59 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	esel Range Organ Result -50.2 Diesel Range Organ	Qualifier U ics (DRO) (Qualifier U	RL 0.00402 ——————————————————————————————————		mg/Kg Unit mg/Kg		Prepared	Analyzed 09/16/23 18:59 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	esel Range Organ Result -50.2 Diesel Range Organ	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00402 GC) RL 50.2	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 09/16/23 18:59 Analyzed 09/15/23 21:58	Dil Fac

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: H-2 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-24

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/K	9	09/15/23 12:04	09/15/23 21:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130			09/15/23 12:04	09/15/23 21:58	1
o-Terphenyl	136	S1+	70 - 130			09/15/23 12:04	09/15/23 21:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride3644.99mg/Kg09/19/23 21:061

Client Sample ID: H-3 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-25

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 09/14/23 16:00 09/16/23 19:26 mg/Kg Toluene <0.00200 U 0.00200 09/14/23 16:00 09/16/23 19:26 mg/Kg Ethylbenzene <0.00200 U 0.00200 09/14/23 16:00 09/16/23 19:26 mg/Kg m-Xylene & p-Xylene 09/16/23 19:26 <0.00399 U 0.00399 mg/Kg 09/14/23 16:00 o-Xylene <0.00200 U 0.00200 mg/Kg 09/14/23 16:00 09/16/23 19:26 <0.00399 U Xylenes, Total 0.00399 mg/Kg 09/14/23 16:00 09/16/23 19:26 %Recovery Qualifier Limits Surrogate Prepared Analyzed

 Surrogate
 %Recovery Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 4-Bromofluorobenzene (Surr)
 267
 S1+
 70 - 130
 09/14/23 16:00
 09/16/23 19:26
 1

 1,4-Difluorobenzene (Surr)
 103
 70 - 130
 09/14/23 16:00
 09/16/23 19:26
 1

 Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result Total BTEX
 Qualifier
 RL MDL Unit mg/Kg
 D Prepared Malyzed Prepared Malyzed Mg/Kg
 D Malyzed Mg/Kg
 D Mg/Kg

 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <50.4</td>
 U
 50.4
 mg/Kg
 09/15/23 22:20
 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac <50.4 U 50.4 09/15/23 12:04 09/15/23 22:20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 09/15/23 12:04 09/15/23 22:20 Diesel Range Organics (Over <50.4 U 50.4 mg/Kg OII Range Organics (Over C28-C36) <50.4 U 50.4 mg/Kg 09/15/23 12:04 09/15/23 22:20

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac S1+ 1-Chlorooctane 135 70 - 130 09/15/23 12:04 09/15/23 22:20 144 S1+ 09/15/23 12:04 09/15/23 22:20 o-Terphenyl 70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride3924.97mg/Kg09/19/23 21:171

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3

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13

14

Client Sample Results

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Client Sample ID: H-4 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-26

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/14/23 16:00	09/16/23 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	363	S1+	70 - 130				09/14/23 16:00	09/16/23 19:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/14/23 16:00	09/16/23 19:52	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/16/23 19:52	1
Method: SW846 8015 NM - Diese Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Total TPH	<50.5	U	50.5		mg/Kg			09/15/23 22:41	Dil Fac
			50.5		mg/Kg	_ =			
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	50.5 (GC)				<u> </u>	09/15/23 22:41	1
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	nics (DRO) Qualifier	50.5 (GC)	MDL	Unit	<u>D</u>	Prepared		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	nics (DRO) Qualifier	50.5 (GC)				<u> </u>	09/15/23 22:41 Analyzed	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	nics (DRO) Qualifier	50.5 (GC)		Unit		Prepared	09/15/23 22:41 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.5	nics (DRO) Qualifier	50.5 (GC) RL 50.5 50.5		Unit mg/Kg		Prepared 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.5	nics (DRO) Qualifier U	50.5 (GC) RL 50.5		Unit mg/Kg		Prepared 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.5	nics (DRO) Qualifier U U	50.5 (GC) RL 50.5 50.5		Unit mg/Kg mg/Kg		Prepared 09/15/23 12:04 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.5 <50.5	nics (DRO) Qualifier U U	50.5 (GC) RL 50.5 50.5 50.5		Unit mg/Kg mg/Kg		Prepared 09/15/23 12:04 09/15/23 12:04 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U Qualifier	50.5 (GC) RL 50.5 50.5 50.5 Limits		Unit mg/Kg mg/Kg		Prepared 09/15/23 12:04 09/15/23 12:04 09/15/23 12:04 Prepared	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	U Qualifier U Qualifier S1+ S1+	50.5 (GC) RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg		Prepared 09/15/23 12:04 09/15/23 12:04 09/15/23 12:04 Prepared 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed 09/15/23 22:41	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Result	U Qualifier U Qualifier S1+ S1+	50.5 (GC) RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg mg/Kg		Prepared 09/15/23 12:04 09/15/23 12:04 09/15/23 12:04 Prepared 09/15/23 12:04	09/15/23 22:41 Analyzed 09/15/23 22:41 09/15/23 22:41 09/15/23 22:41 Analyzed 09/15/23 22:41	Dil F

25.0

1580

mg/Kg

09/19/23 21:28

Chloride

Surrogate Summary

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-33291-1	V-1 (0-6")	200 S1+	103	
880-33291-1 MS	V-1 (0-6")	221 S1+	86	
880-33291-1 MSD	V-1 (0-6")	260 S1+	117	
880-33291-2	V-1 (1-1.5')	226 S1+	110	
880-33291-3	V-1 (2-2.5')	181 S1+	106	
880-33291-4	V-1 (3-3.5')	295 S1+	70	
880-33291-5	V-2 (0-6")	196 S1+	87	
380-33291-6	V-2 (1-1.5')	295 S1+	94	
880-33291-7	V-2 (2-2.5')	290 S1+	107	
380-33291-8	V-2 (3-3.5')	226 S1+	101	
880-33291-10	V-3 (0-6")	255 S1+	74	
380-33291-11	V-3 (1-1.5')	249 S1+	79	
880-33291-12	V-3 (2-2.5')	298 S1+	92	
880-33291-13	V-4 (0-6")	268 S1+	89	
380-33291-14	V-4 (1-1.5')	332 S1+	88	
380-33291-15	V-4 (2-2.5')	320 S1+	81	
380-33291-16	V-4 (3-3.5')	309 S1+	128	
380-33291-17	V-5 (0-6")	310 S1+	105	
380-33291-18	V-5 (1-1.5')	344 S1+	115	
380-33291-19	V-5 (2-2.5')	373 S1+	111	
380-33291-20	V-5 (3-3.5')	308 S1+	103	
380-33291-21	V-5 (4-4.5')	327 S1+	93	
380-33291-21 MS	V-5 (4-4.5')	265 S1+	97	
380-33291-21 MSD	V-5 (4-4.5')	240 S1+	93	
880-33291-22	V-5 (5-5.5')	341 S1+	117	
380-33291-23	H-1 (0-6")	324 S1+	88	
880-33291-24	H-2 (0-6")	284 S1+	85	
380-33291-25	H-3 (0-6")	267 S1+	103	
880-33291-26	H-4 (0-6")	363 S1+	105	
LCS 880-62479/1-A	Lab Control Sample	197 S1+	70	
LCS 880-62481/1-A	Lab Control Sample	235 S1+	84	
LCSD 880-62479/2-A	Lab Control Sample Dup	235 S1+	84	
_CSD 880-62481/2-A	Lab Control Sample Dup	236 S1+	84	
MB 880-62454/5-A	Method Blank	121	94	
MB 880-62479/5-A	Method Blank	134 S1+	119	
MB 880-62481/5-A	Method Blank	191 S1+	106	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-33291-1	V-1 (0-6")	149 S1+	130	
880-33291-2	V-1 (1-1.5')	156 S1+	146 S1+	
880-33291-3	V-1 (2-2.5')	151 S1+	142 S1+	

Eurofins Midland

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Surrogate Summary

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Li
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-33291-4	V-1 (3-3.5')	143 S1+	136 S1+	
80-33291-5	V-2 (0-6")	145 S1+	132 S1+	
80-33291-6	V-2 (1-1.5')	137 S1+	129	
80-33291-7	V-2 (2-2.5')	147 S1+	140 S1+	
80-33291-8	V-2 (3-3.5')	155 S1+	143 S1+	
80-33291-10	V-3 (0-6")	135 S1+	127	
30-33291-11	V-3 (1-1.5')	137 S1+	127	
80-33291-12	V-3 (2-2.5')	152 S1+	137 S1+	
80-33291-13	V-4 (0-6")	132 S1+	117	
30-33291-14	V-4 (1-1.5')	134 S1+	123	
30-33291-15	V-4 (2-2.5')	135 S1+	128	
30-33291-16	V-4 (3-3.5')	145 S1+	136 S1+	
80-33291-17	V-5 (0-6")	128	137 S1+	
30-33291-17 MS	V-5 (0-6")	112	110	
30-33291-17 MSD	V-5 (0-6")	122	116	
0-33291-18	V-5 (1-1.5')	124	130	
30-33291-19	V-5 (2-2.5')	131 S1+	134 S1+	
0-33291-20	V-5 (3-3.5')	132 S1+	138 S1+	
0-33291-21	V-5 (4-4.5')	125	133 S1+	
30-33291-22	V-5 (5-5.5')	131 S1+	139 S1+	
0-33291-23	H-1 (0-6")	123	129	
0-33291-24	H-2 (0-6")	128	136 S1+	
30-33291-25	H-3 (0-6")	135 S1+	144 S1+	
0-33291-26	H-4 (0-6")	132 S1+	136 S1+	
90-5251-A-12-C MS	Matrix Spike	140 S1+	121	
90-5251-A-12-D MSD	Matrix Spike Duplicate	140 S1+	119	
CS 880-62493/2-A	Lab Control Sample	107	136 S1+	
CS 880-62583/2-A	Lab Control Sample	96	106	
SD 880-62493/3-A	Lab Control Sample Dup	94	97	
CSD 880-62583/3-A	Lab Control Sample Dup	87	97	
B 880-62493/1-A	Method Blank	146 S1+	141 S1+	
0 000-02433/ I-A				

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-62454/5-A

Matrix: Solid Analysis Batch: 62513 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62454

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 13:14	09/15/23 13:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/23 13:14	09/15/23 13:54	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	09/14/23 13:14	09/15/23 13:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/14/23 13:14	09/15/23 13:54	1

Lab Sample ID: MB 880-62479/5-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62479

Analysis Batch: 62513

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/14/23 15:52	09/16/23 03:27	1
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мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	09/14/23 15:52	09/16/23 03:27	1
1,4-Difluorobenzene (Surr)	119		70 - 130	09/14/23 15:52	09/16/23 03:27	1

Lab Sample ID: LCS 880-62479/1-A

Matrix: Solid

Analysis Batch: 62513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 62479

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09938		mg/Kg		99	70 - 130	
Toluene	0.100	0.1102		mg/Kg		110	70 - 130	
Ethylbenzene	0.100	0.1147		mg/Kg		115	70 - 130	
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1165		mg/Kg		116	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130		
1,4-Difluorobenzene (Surr)	70		70 - 130		

Lab Sample ID: LCSD 880-62479/2-A

Matrix: Solid

Analysis Batch: 62513

Client	Sample	ID:	Lab	Contr	ol	San	ıple	Dup
				D	-		-	I/NI A

Prep Type: Total/NA

Prep Batch: 62479

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1209	-	mg/Kg		121	70 - 130	20	35

QC Sample Results

Job ID: 880-33291-1 Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-62479/2-A

Matrix: Solid Analysis Batch: 62513 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 62479

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.100 Toluene 0.1287 129 70 - 130 35 mg/Kg 15 Ethylbenzene 0.100 0.1272 mg/Kg 127 70 - 130 10 35 0.200 m-Xylene & p-Xylene 0.2617 *+ mg/Kg 131 70 - 130 35 14 o-Xylene 0.100 0.1241 mg/Kg 124 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	235	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Client Sample ID: V-1 (0-6") Lab Sample ID: 880-33291-1 MS

Matrix: Solid

Analysis Batch: 62513

Prep Type: Total/NA

Prep Batch: 62479

MS MS %Rec Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene <0.00201 U 0.0998 0.1075 108 70 - 130 mg/Kg Toluene <0.00201 U 0.0998 0.08926 89 70 - 130 mg/Kg Ethylbenzene <0.00201 U 0.0998 0.08787 70 - 130 mg/Kg 88 0.200 m-Xylene & p-Xylene <0.00402 U*+ 0.1851 93 70 - 130 mg/Kg o-Xylene <0.00201 U 0.0998 0.09370 mg/Kg 94 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	221	S1+	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-33291-1 MSD Client Sample ID: V-1 (0-6")

Matrix: Solid

Analysis Batch: 62513

Prep Type: Total/NA Prep Batch: 62479

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.1141		mg/Kg		115	70 - 130	6	35
Toluene	<0.00201	U	0.0996	0.09536		mg/Kg		96	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.0996	0.07487		mg/Kg		75	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U *+	0.199	0.1778		mg/Kg		89	70 - 130	4	35
o-Xylene	<0.00201	U	0.0996	0.09484		mg/Kg		95	70 - 130	1	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	260	S1+	70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: MB 880-62481/5-A

Matrix: Solid

Analysis Batch: 62513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62481

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/14/23 16:00	09/16/23 17:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/14/23 16:00	09/16/23 17:12	1

QC Sample Results

Job ID: 880-33291-1 Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-62481/5-A

Matrix: Solid

Analyte

Analysis Batch: 62513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62481

Dil Fac

MB MB Result Qualifier RL MDL Unit Prepared Analyzed <0.00200 U 0.00200 mg/Kg 09/14/23 16:00 09/16/23 17:12

o-Xylene Xylenes, Total <0.00400 U 0.00400 mg/Kg 09/14/23 16:00 09/16/23 17:12

MR MR

	2					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130	09/14/23 16:00	09/16/23 17:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/14/23 16:00	09/16/23 17:12	1

Lab Sample ID: LCS 880-62481/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 62513** Prep Batch: 62481

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1085 mg/Kg 109 70 - 130 Toluene 0.100 0.1102 mg/Kg 110 70 - 130 0.100 0.1107 111 Ethylbenzene mg/Kg 70 - 130 m-Xylene & p-Xylene 0.200 0.2171 mg/Kg 109 70 - 130 0.100 0.1144 o-Xylene mg/Kg 114 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	235	S1+	70 - 130
1 4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-62481/2-A

Matrix: Solid

Analysis Batch: 62513

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62481

	Spike	LCSD LC	SD		%Rec		RPD	
Analyte	Added	Result Qu	alifier Unit	D %Rec	Limits	RPD	Limit	
Benzene	0.100	0.1148	mg/Kg	115	70 - 130	6	35	
Toluene	0.100	0.1176	mg/Kg	118	70 - 130	6	35	
Ethylbenzene	0.100	0.1190	mg/Kg	119	70 - 130	7	35	
m-Xylene & p-Xylene	0.200	0.2308	mg/Kg	115	70 - 130	6	35	
o-Xylene	0.100	0.1227	mg/Kg	123	70 - 130	7	35	
	Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Analyte Added Benzene 0.100 Toluene 0.100 Ethylbenzene 0.100 m-Xylene & p-Xylene 0.200	Analyte Added Result Quality Quality Benzene 0.100 0.1148 Toluene 0.100 0.1176 Ethylbenzene 0.100 0.1190 m-Xylene & p-Xylene 0.200 0.2308	Analyte Added Result Qualifier Unit Benzene 0.100 0.1148 mg/Kg Toluene 0.100 0.1176 mg/Kg Ethylbenzene 0.100 0.1190 mg/Kg m-Xylene & p-Xylene 0.200 0.2308 mg/Kg	Analyte Added Result Qualifier Unit D %Rec Benzene 0.100 0.1148 mg/Kg 115 Toluene 0.100 0.1176 mg/Kg 118 Ethylbenzene 0.100 0.1190 mg/Kg 119 m-Xylene & p-Xylene 0.200 0.2308 mg/Kg 115	Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.1148 mg/Kg 115 70 - 130 Toluene 0.100 0.1176 mg/Kg 118 70 - 130 Ethylbenzene 0.100 0.1190 mg/Kg 119 70 - 130 m-Xylene & p-Xylene 0.200 0.2308 mg/Kg 115 70 - 130	Analyte Added Result Qualifier Unit D %Rec Limits RPD Benzene 0.100 0.1148 mg/Kg 115 70 - 130 6 Toluene 0.100 0.1176 mg/Kg 118 70 - 130 6 Ethylbenzene 0.100 0.1190 mg/Kg 119 70 - 130 7 m-Xylene & p-Xylene 0.200 0.2308 mg/Kg 115 70 - 130 6	Analyte Added Result Qualifier Unit D %Rec Limits RPD Limits Benzene 0.100 0.1148 mg/Kg 115 70 - 130 6 35 Toluene 0.100 0.1176 mg/Kg 118 70 - 130 6 35 Ethylbenzene 0.100 0.1190 mg/Kg 119 70 - 130 7 35 m-Xylene & p-Xylene 0.200 0.2308 mg/Kg 115 70 - 130 6 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	236	S1+	70 - 130
1 4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-33291-21 MS Client Sample ID: V-5 (4-4.5')

Matrix: Solid

Analysis Batch: 62513

Prep Type: Total/NA

Prep Batch: 62481

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U F1	0.100	0.1489	F1	mg/Kg		149	70 - 130	
Toluene	<0.00198	U	0.100	0.1263		mg/Kg		126	70 - 130	
Ethylbenzene	<0.00198	U F1	0.100	0.1306	F1	mg/Kg		131	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2542		mg/Kg		127	70 - 130	
o-Xylene	<0.00198	U F1	0.100	0.1326	F1	mg/Kg		133	70 - 130	

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-33291-21 MS

Matrix: Solid

Analysis Batch: 62513

Client Sample ID: V-5 (4-4.5')

Prep Type: Total/NA

Prep Batch: 62481

	1110	1110			
Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	265	S1+	70 - 130		
1,4-Difluorobenzene (Surr)	97		70 - 130		

Lab Sample ID: 880-33291-21 MSD Client Sample ID: V-5 (4-4.5')

Matrix: Solid

Analysis Batch: 62513

Prep Type: Total/NA

Prep Batch: 62481

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F1	0.0998	0.1506	F1	mg/Kg		151	70 - 130	1	35
Toluene	<0.00198	U	0.0998	0.1259		mg/Kg		126	70 - 130	0	35
Ethylbenzene	<0.00198	U F1	0.0998	0.1276		mg/Kg		128	70 - 130	2	35
m-Xylene & p-Xylene	< 0.00396	U	0.200	0.2504		mg/Kg		125	70 - 130	2	35
o-Xylene	<0.00198	U F1	0.0998	0.1305	F1	mg/Kg		131	70 - 130	2	35

MSD MSD

MS MS

%Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 240 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 93 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-62493/1-A

Matrix: Solid

Analysis Batch: 62509

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62493

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/23 17:06	09/15/23 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/23 17:06	09/15/23 17:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/23 17:06	09/15/23 17:38	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	09/14/23 17:06	09/15/23 17:38	1
o-Terphenyl	141	S1+	70 - 130	09/14/23 17:06	09/15/23 17:38	1

Lab Sample ID: LCS 880-62493/2-A

Matrix: Solid

Analysis Batch: 62509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62493

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	995.9		mg/Kg		100	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	960.3		mg/Kg		96	70 - 130	
C10 C20)								

C10-C28)

	LCS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	136	S1+	70 - 130

Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 62493

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-62493/3-A

Matrix: Solid

Analysis Batch: 62509							Prep	Batch:	62493
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	994.5		mg/Kg		99	70 - 130	0	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	937.5		ma/Ka		94	70 - 130	2	20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 94 97 o-Terphenyl 70 - 130

Lab Sample ID: 890-5251-A-12-C MS

Matrix: Solid

Analysis Batch: 62509

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1006		mg/Kg		97	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1465	F1	mg/Kg		146	70 - 130	

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	121		70 - 130

MS MS

Lab Sample ID: 890-5251-A-12-D MSD

Matrix: Solid

Analysis Batch: 62509									Prep	Batch:	62493
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1014		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1458	F1	mg/Kg		145	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: MB 880-62583/1-A

Matrix: Solid

Analysis Batch: 62511

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 62583

ı		MB	MR							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 17:38	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 17:38	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/15/23 12:04	09/15/23 17:38	1

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Job ID: 880-33291-1

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-62583/1-A

Lab Sample ID: LCSD 880-62583/3-A

Matrix: Solid

Analysis Batch: 62511

Matrix: Solid

Analysis Batch: 62511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62583

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	 09/15/23 12:04	09/15/23 17:38	1
o-Terphenyl	128		70 - 130	09/15/23 12:04	09/15/23 17:38	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-62583/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 62511 Prep Batch: 62583

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1109 111 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1003 mg/Kg 100 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	106		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62583

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 990.9 mg/Kg 99 70 - 130 11 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 847.5 mg/Kg 85 70 - 130 17 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-33291-17 MS Client Sample ID: V-5 (0-6") **Matrix: Solid**

Prep Type: Total/NA

Analysis Batch: 62511 Prep Batch: 62583

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.4	U	993	1131		mg/Kg		110	70 - 130	_
(GRO)-C6-C10										
Diesel Range Organics (Over	98.9		993	853.5		mg/Kg		76	70 - 130	
040,000)										

C10-C28)

MS MS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	112	70 - 130
o-Terphenyl	110	70 - 130

QC Sample Results

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-33291-17 MSD Client Sample ID: V-5 (0-6") **Matrix: Solid**

Prep Type: Total/NA Analysis Batch: 62511 Prep Batch: 62583

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.4	U	993	1252		mg/Kg		122	70 - 130	10	20
(GRO)-C6-C10											
Diesel Range Organics (Over	98.9		993	919.4		mg/Kg		83	70 - 130	7	20
C10-C28)											

MSD MSD Qualifier Surrogate %Recovery Limits

70 - 130 1-Chlorooctane 122 o-Terphenyl 116 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-62557/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 62821

MB MB MDL Unit Result Qualifier Analyte RL Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 09/18/23 22:57 mg/Kg

Lab Sample ID: LCS 880-62557/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 62821

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 90 - 110 248.1 mg/Kg

Lab Sample ID: LCSD 880-62557/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 62821

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec RPD Limits Limit Chloride 250 249.4 100 90 - 110 mg/Kg

Lab Sample ID: 880-33291-7 MS Client Sample ID: V-2 (2-2.5')

Matrix: Solid

Analysis Batch: 62821

Sample Sample Spike MS MS %Rec Result Qualifier Added Qualifier Analyte Result Unit %Rec Limits Chloride 637 F1 250 851.4 F1 90 - 110 mg/Kg

Lab Sample ID: 880-33291-7 MSD Client Sample ID: V-2 (2-2.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 62821

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Qualifier Result %Rec Limits RPD Limit Analyte Unit 637 F1 250 Chloride 853.2 F1 86 90 - 110

mg/Kg

Eurofins Midland

n

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: V-5 (4-4.5')

Client Sample ID: V-5 (4-4.5')

QC Sample Results

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-62558/1-A

Matrix: Solid

Analysis Batch: 62851

MB MB

Dil Fac MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/19/23 16:38

Lab Sample ID: LCS 880-62558/2-A

Matrix: Solid

Analysis Batch: 62851

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 250.1 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-62558/3-A

Matrix: Solid

Analysis Batch: 62851

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 249.4 mg/Kg 100 90 - 110

Lab Sample ID: 880-33291-21 MS

Matrix: Solid

Analysis Batch: 62851

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits Chloride 1050 251 1239 76 90 - 110 mg/Kg

Lab Sample ID: 880-33291-21 MSD

Matrix: Solid

Analysis Batch: 62851

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1050 251 1246 4 mg/Kg 79 90 - 110 20

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

GC VOA

Prep Batch: 62454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-62454/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 62479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-33291-1	V-1 (0-6")	Total/NA	Solid	5035	
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	5035	
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	5035	
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	5035	
380-33291-5	V-2 (0-6")	Total/NA	Solid	5035	
880-33291-6	V-2 (1-1.5')	Total/NA	Solid	5035	
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	5035	
380-33291-8	V-2 (3-3.5')	Total/NA	Solid	5035	
380-33291-10	V-3 (0-6")	Total/NA	Solid	5035	
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	5035	
380-33291-12	V-3 (2-2.5')	Total/NA	Solid	5035	
380-33291-13	V-4 (0-6")	Total/NA	Solid	5035	
380-33291-14	V-4 (1-1.5')	Total/NA	Solid	5035	
380-33291-15	V-4 (2-2.5')	Total/NA	Solid	5035	
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	5035	
880-33291-17	V-5 (0-6")	Total/NA	Solid	5035	
380-33291-18	V-5 (1-1.5')	Total/NA	Solid	5035	
380-33291-19	V-5 (2-2.5')	Total/NA	Solid	5035	
380-33291-20	V-5 (3-3.5')	Total/NA	Solid	5035	
MB 880-62479/5-A	Method Blank	Total/NA	Solid	5035	
_CS 880-62479/1-A	Lab Control Sample	Total/NA	Solid	5035	
_CSD 880-62479/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
380-33291-1 MS	V-1 (0-6")	Total/NA	Solid	5035	
880-33291-1 MSD	V-1 (0-6")	Total/NA	Solid	5035	

Prep Batch: 62481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	5035	
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	5035	
880-33291-23	H-1 (0-6")	Total/NA	Solid	5035	
880-33291-24	H-2 (0-6")	Total/NA	Solid	5035	
880-33291-25	H-3 (0-6")	Total/NA	Solid	5035	
880-33291-26	H-4 (0-6")	Total/NA	Solid	5035	
MB 880-62481/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62481/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62481/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33291-21 MS	V-5 (4-4.5')	Total/NA	Solid	5035	
880-33291-21 MSD	V-5 (4-4.5')	Total/NA	Solid	5035	

Analysis Batch: 62513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Total/NA	Solid	8021B	62479
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	8021B	62479
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	8021B	62479
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	8021B	62479
880-33291-5	V-2 (0-6")	Total/NA	Solid	8021B	62479
880-33291-6	V-2 (1-1.5')	Total/NA	Solid	8021B	62479

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 62513 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	8021B	62479
880-33291-8	V-2 (3-3.5')	Total/NA	Solid	8021B	62479
880-33291-10	V-3 (0-6")	Total/NA	Solid	8021B	62479
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	8021B	62479
880-33291-12	V-3 (2-2.5')	Total/NA	Solid	8021B	62479
880-33291-13	V-4 (0-6")	Total/NA	Solid	8021B	62479
880-33291-14	V-4 (1-1.5')	Total/NA	Solid	8021B	62479
880-33291-15	V-4 (2-2.5')	Total/NA	Solid	8021B	62479
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	8021B	62479
880-33291-17	V-5 (0-6")	Total/NA	Solid	8021B	62479
880-33291-18	V-5 (1-1.5')	Total/NA	Solid	8021B	62479
880-33291-19	V-5 (2-2.5')	Total/NA	Solid	8021B	62479
880-33291-20	V-5 (3-3.5')	Total/NA	Solid	8021B	62479
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	8021B	62481
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	8021B	62481
880-33291-23	H-1 (0-6")	Total/NA	Solid	8021B	62481
880-33291-24	H-2 (0-6")	Total/NA	Solid	8021B	62481
880-33291-25	H-3 (0-6")	Total/NA	Solid	8021B	62481
880-33291-26	H-4 (0-6")	Total/NA	Solid	8021B	62481
MB 880-62454/5-A	Method Blank	Total/NA	Solid	8021B	62454
MB 880-62479/5-A	Method Blank	Total/NA	Solid	8021B	62479
MB 880-62481/5-A	Method Blank	Total/NA	Solid	8021B	62481
LCS 880-62479/1-A	Lab Control Sample	Total/NA	Solid	8021B	62479
LCS 880-62481/1-A	Lab Control Sample	Total/NA	Solid	8021B	62481
LCSD 880-62479/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62479
LCSD 880-62481/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62481
880-33291-1 MS	V-1 (0-6")	Total/NA	Solid	8021B	62479
880-33291-1 MSD	V-1 (0-6")	Total/NA	Solid	8021B	62479
880-33291-21 MS	V-5 (4-4.5')	Total/NA	Solid	8021B	62481
880-33291-21 MSD	V-5 (4-4.5')	Total/NA	Solid	8021B	62481

Analysis Batch: 62747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Total/NA	Solid	Total BTEX	
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	Total BTEX	
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	Total BTEX	
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	Total BTEX	
880-33291-5	V-2 (0-6")	Total/NA	Solid	Total BTEX	
380-33291-6	V-2 (1-1.5')	Total/NA	Solid	Total BTEX	
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	Total BTEX	
380-33291-8	V-2 (3-3.5')	Total/NA	Solid	Total BTEX	
880-33291-10	V-3 (0-6")	Total/NA	Solid	Total BTEX	
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	Total BTEX	
880-33291-12	V-3 (2-2.5')	Total/NA	Solid	Total BTEX	
380-33291-13	V-4 (0-6")	Total/NA	Solid	Total BTEX	
380-33291-14	V-4 (1-1.5')	Total/NA	Solid	Total BTEX	
880-33291-15	V-4 (2-2.5')	Total/NA	Solid	Total BTEX	
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	Total BTEX	
880-33291-17	V-5 (0-6")	Total/NA	Solid	Total BTEX	
380-33291-18	V-5 (1-1.5')	Total/NA	Solid	Total BTEX	
880-33291-19	V-5 (2-2.5')	Total/NA	Solid	Total BTEX	

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 62747 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-20	V-5 (3-3.5')	Total/NA	Solid	Total BTEX	-
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	Total BTEX	
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	Total BTEX	
880-33291-23	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-33291-24	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-33291-25	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-33291-26	H-4 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 62493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-33291-5	V-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-6	V-2 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-33291-8	V-2 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-33291-10	V-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-33291-12	V-3 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-33291-13	V-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-14	V-4 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-33291-15	V-4 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	8015NM Prep	
MB 880-62493/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62493/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62493/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5251-A-12-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5251-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Total/NA	Solid	8015B NM	62493
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	8015B NM	62493
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	8015B NM	62493
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	8015B NM	62493
880-33291-5	V-2 (0-6")	Total/NA	Solid	8015B NM	62493
880-33291-6	V-2 (1-1.5')	Total/NA	Solid	8015B NM	62493
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	8015B NM	62493
880-33291-8	V-2 (3-3.5')	Total/NA	Solid	8015B NM	62493
880-33291-10	V-3 (0-6")	Total/NA	Solid	8015B NM	62493
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	8015B NM	62493
880-33291-12	V-3 (2-2.5')	Total/NA	Solid	8015B NM	62493
880-33291-13	V-4 (0-6")	Total/NA	Solid	8015B NM	62493
880-33291-14	V-4 (1-1.5')	Total/NA	Solid	8015B NM	62493
880-33291-15	V-4 (2-2.5')	Total/NA	Solid	8015B NM	62493
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	8015B NM	62493
MB 880-62493/1-A	Method Blank	Total/NA	Solid	8015B NM	62493

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Job ID: 880-33291-1

SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 62509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-62493/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62493
LCSD 880-62493/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62493
890-5251-A-12-C MS	Matrix Spike	Total/NA	Solid	8015B NM	62493
890-5251-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	62493

Analysis Batch: 62511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-17	V-5 (0-6")	Total/NA	Solid	8015B NM	62583
880-33291-18	V-5 (1-1.5')	Total/NA	Solid	8015B NM	62583
880-33291-19	V-5 (2-2.5')	Total/NA	Solid	8015B NM	62583
880-33291-20	V-5 (3-3.5')	Total/NA	Solid	8015B NM	62583
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	8015B NM	62583
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	8015B NM	62583
880-33291-23	H-1 (0-6")	Total/NA	Solid	8015B NM	62583
880-33291-24	H-2 (0-6")	Total/NA	Solid	8015B NM	62583
880-33291-25	H-3 (0-6")	Total/NA	Solid	8015B NM	62583
880-33291-26	H-4 (0-6")	Total/NA	Solid	8015B NM	62583
MB 880-62583/1-A	Method Blank	Total/NA	Solid	8015B NM	62583
LCS 880-62583/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62583
LCSD 880-62583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62583
880-33291-17 MS	V-5 (0-6")	Total/NA	Solid	8015B NM	62583
880-33291-17 MSD	V-5 (0-6")	Total/NA	Solid	8015B NM	62583

Prep Batch: 62583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-17	V-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-18	V-5 (1-1.5')	Total/NA	Solid	8015NM Prep	
880-33291-19	V-5 (2-2.5')	Total/NA	Solid	8015NM Prep	
880-33291-20	V-5 (3-3.5')	Total/NA	Solid	8015NM Prep	
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	8015NM Prep	
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	8015NM Prep	
880-33291-23	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-24	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-25	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-26	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-62583/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62583/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62583/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33291-17 MS	V-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-33291-17 MSD	V-5 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Total/NA	Solid	8015 NM	
880-33291-2	V-1 (1-1.5')	Total/NA	Solid	8015 NM	
880-33291-3	V-1 (2-2.5')	Total/NA	Solid	8015 NM	
880-33291-4	V-1 (3-3.5')	Total/NA	Solid	8015 NM	
880-33291-5	V-2 (0-6")	Total/NA	Solid	8015 NM	
880-33291-6	V-2 (1-1.5')	Total/NA	Solid	8015 NM	
880-33291-7	V-2 (2-2.5')	Total/NA	Solid	8015 NM	
880-33291-8	V-2 (3-3.5')	Total/NA	Solid	8015 NM	

Client: NT Global Job ID: 880-33291-1 Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 62711 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-10	V-3 (0-6")	Total/NA	Solid	8015 NM	
880-33291-11	V-3 (1-1.5')	Total/NA	Solid	8015 NM	
880-33291-12	V-3 (2-2.5')	Total/NA	Solid	8015 NM	
880-33291-13	V-4 (0-6")	Total/NA	Solid	8015 NM	
880-33291-14	V-4 (1-1.5')	Total/NA	Solid	8015 NM	
880-33291-15	V-4 (2-2.5')	Total/NA	Solid	8015 NM	
880-33291-16	V-4 (3-3.5')	Total/NA	Solid	8015 NM	
880-33291-17	V-5 (0-6")	Total/NA	Solid	8015 NM	
880-33291-18	V-5 (1-1.5')	Total/NA	Solid	8015 NM	
880-33291-19	V-5 (2-2.5')	Total/NA	Solid	8015 NM	
880-33291-20	V-5 (3-3.5')	Total/NA	Solid	8015 NM	
880-33291-21	V-5 (4-4.5')	Total/NA	Solid	8015 NM	
880-33291-22	V-5 (5-5.5')	Total/NA	Solid	8015 NM	
880-33291-23	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-33291-24	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-33291-25	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-33291-26	H-4 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 62557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-33291-1	V-1 (0-6")	Soluble	Solid	DI Leach	_
880-33291-2	V-1 (1-1.5')	Soluble	Solid	DI Leach	
880-33291-3	V-1 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-4	V-1 (3-3.5')	Soluble	Solid	DI Leach	
880-33291-5	V-2 (0-6")	Soluble	Solid	DI Leach	
880-33291-6	V-2 (1-1.5')	Soluble	Solid	DI Leach	
880-33291-7	V-2 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-8	V-2 (3-3.5')	Soluble	Solid	DI Leach	
880-33291-10	V-3 (0-6")	Soluble	Solid	DI Leach	
880-33291-11	V-3 (1-1.5')	Soluble	Solid	DI Leach	
880-33291-12	V-3 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-13	V-4 (0-6")	Soluble	Solid	DI Leach	
880-33291-14	V-4 (1-1.5')	Soluble	Solid	DI Leach	
880-33291-15	V-4 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-16	V-4 (3-3.5')	Soluble	Solid	DI Leach	
MB 880-62557/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62557/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62557/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33291-7 MS	V-2 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-7 MSD	V-2 (2-2.5')	Soluble	Solid	DI Leach	

Leach Batch: 62558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-17	V-5 (0-6")	Soluble	Solid	DI Leach	
880-33291-18	V-5 (1-1.5')	Soluble	Solid	DI Leach	
880-33291-19	V-5 (2-2.5')	Soluble	Solid	DI Leach	
880-33291-20	V-5 (3-3.5')	Soluble	Solid	DI Leach	
880-33291-21	V-5 (4-4.5')	Soluble	Solid	DI Leach	
880-33291-22	V-5 (5-5.5')	Soluble	Solid	DI Leach	

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 62558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-23	H-1 (0-6")	Soluble	Solid	DI Leach	
880-33291-24	H-2 (0-6")	Soluble	Solid	DI Leach	
880-33291-25	H-3 (0-6")	Soluble	Solid	DI Leach	
880-33291-26	H-4 (0-6")	Soluble	Solid	DI Leach	
MB 880-62558/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62558/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62558/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33291-21 MS	V-5 (4-4.5')	Soluble	Solid	DI Leach	
880-33291-21 MSD	V-5 (4-4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 62821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-1	V-1 (0-6")	Soluble	Solid	300.0	62557
880-33291-2	V-1 (1-1.5')	Soluble	Solid	300.0	62557
880-33291-3	V-1 (2-2.5')	Soluble	Solid	300.0	62557
880-33291-4	V-1 (3-3.5')	Soluble	Solid	300.0	62557
880-33291-5	V-2 (0-6")	Soluble	Solid	300.0	62557
880-33291-6	V-2 (1-1.5')	Soluble	Solid	300.0	62557
880-33291-7	V-2 (2-2.5')	Soluble	Solid	300.0	62557
880-33291-8	V-2 (3-3.5')	Soluble	Solid	300.0	62557
880-33291-10	V-3 (0-6")	Soluble	Solid	300.0	62557
880-33291-11	V-3 (1-1.5')	Soluble	Solid	300.0	62557
880-33291-12	V-3 (2-2.5')	Soluble	Solid	300.0	62557
880-33291-13	V-4 (0-6")	Soluble	Solid	300.0	62557
880-33291-14	V-4 (1-1.5')	Soluble	Solid	300.0	62557
880-33291-15	V-4 (2-2.5')	Soluble	Solid	300.0	62557
880-33291-16	V-4 (3-3.5')	Soluble	Solid	300.0	62557
MB 880-62557/1-A	Method Blank	Soluble	Solid	300.0	62557
LCS 880-62557/2-A	Lab Control Sample	Soluble	Solid	300.0	62557
LCSD 880-62557/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62557
880-33291-7 MS	V-2 (2-2.5')	Soluble	Solid	300.0	62557
880-33291-7 MSD	V-2 (2-2.5')	Soluble	Solid	300.0	62557

Analysis Batch: 62851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33291-17	V-5 (0-6")	Soluble	Solid	300.0	62558
880-33291-18	V-5 (1-1.5')	Soluble	Solid	300.0	62558
880-33291-19	V-5 (2-2.5')	Soluble	Solid	300.0	62558
880-33291-20	V-5 (3-3.5')	Soluble	Solid	300.0	62558
880-33291-21	V-5 (4-4.5')	Soluble	Solid	300.0	62558
880-33291-22	V-5 (5-5.5')	Soluble	Solid	300.0	62558
880-33291-23	H-1 (0-6")	Soluble	Solid	300.0	62558
880-33291-24	H-2 (0-6")	Soluble	Solid	300.0	62558
880-33291-25	H-3 (0-6")	Soluble	Solid	300.0	62558
880-33291-26	H-4 (0-6")	Soluble	Solid	300.0	62558
MB 880-62558/1-A	Method Blank	Soluble	Solid	300.0	62558
LCS 880-62558/2-A	Lab Control Sample	Soluble	Solid	300.0	62558
LCSD 880-62558/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62558
880-33291-21 MS	V-5 (4-4.5')	Soluble	Solid	300.0	62558
880-33291-21 MSD	V-5 (4-4.5')	Soluble	Solid	300.0	62558

Eurofins Midland

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Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Client Sample ID: V-1 (0-6")

Client: NT Global

Lab Sample ID: 880-33291-1

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 03:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 21:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62821	09/18/23 23:57	CH	EET MID

Lab Sample ID: 880-33291-2

Client Sample ID: V-1 (1-1.5') Date Collected: 09/13/23 00:00 Matrix: Solid

Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 04:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 04:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 21:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62821	09/19/23 00:17	CH	EET MID

Client Sample ID: V-1 (2-2.5')

Lab Sample ID: 880-33291-3 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 04:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 21:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 00:24	CH	EET MID

Client Sample ID: V-1 (3-3.5')

Lab Sample ID: 880-33291-4 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 05:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 05:11	SM	EET MID

Client: NT Global

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1 SDG: Lea Co., NM

Client Sample ID: V-1 (3-3.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-4

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			62711	09/15/23 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 00:30	CH	EET MID

Lab Sample ID: 880-33291-5 Client Sample ID: V-2 (0-6")

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 05:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 05:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 00:37	CH	EET MID

Client Sample ID: V-2 (1-1.5') Lab Sample ID: 880-33291-6 Date Collected: 09/13/23 00:00 **Matrix: Solid**

Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 06:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 06:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/15/23 23:25	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 00:43	CH	EET MID

Lab Sample ID: 880-33291-7 Client Sample ID: V-2 (2-2.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 06:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 06:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 23:47	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.10 g 1 uL	10 mL 1 uL	62493 62509	09/14/23 17:06 09/15/23 23:47	TKC SM	EET MID EET MID

Eurofins Midland

Matrix: Solid

Client: NT Global

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: V-2 (2-2.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 00:50	CH	EET MID

Client Sample ID: V-2 (3-3.5') Lab Sample ID: 880-33291-8

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 06:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 06:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/16/23 00:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 00:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 01:10	CH	EET MID

Client Sample ID: V-3 (0-6") Lab Sample ID: 880-33291-10

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 07:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 07:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/16/23 00:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 00:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 01:17	CH	EET MID

Client Sample ID: V-3 (1-1.5') Lab Sample ID: 880-33291-11

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 09:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 09:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/16/23 00:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 00:52	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 14:34	CH	EET MID

Eurofins Midland

Matrix: Solid

Date Received: 09/14/23 14:32

Client: NT Global

Lab Sample ID: 880-33291-12

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 10:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 10:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/16/23 01:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 14:40	CH	EET MID

Client Sample ID: V-4 (0-6") Lab Sample ID: 880-33291-13 Date Collected: 09/13/23 00:00

Matrix: Solid

Date Received: 09/14/23 14:32

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.02 g 5 mL 62479 09/14/23 15:52 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 62513 09/16/23 10:30 MNR Total/NA Total BTEX 62747 09/16/23 10:30 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 62711 09/16/23 01:36 SM **EET MID** Total/NA 62493 Prep 8015NM Prep 10.09 g 10 mL 09/14/23 17:06 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 62509 09/16/23 01:36 SM **EET MID** Soluble 09/15/23 11:01 Leach DI Leach 5.01 g 50 mL 62557 SMC **EET MID** Soluble Analysis 300.0 5 50 mL 50 mL 62821 09/19/23 14:47 СН **EET MID**

Client Sample ID: V-4 (1-1.5')

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 10:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 10:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/16/23 01:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 01:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62821	09/19/23 14:54	CH	EET MID

Client Sample ID: V-4 (2-2.5')

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-15

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 11:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 11:24	SM	EET MID

SDG: Lea Co., NM

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Lab Sample ID: 880-33291-15

Matrix: Solid

Matrix: Solid

EET MID

EET MID

Matrix: Solid

Client Sample ID: V-4 (2-2.5') Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			62711	09/16/23 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	62493	09/14/23 17:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62509	09/16/23 02:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	62557	09/15/23 11:01	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62821	09/19/23 15:00	CH	EET MID

Client Sample ID: V-4 (3-3.5') Lab Sample ID: 880-33291-16

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number Type Run Factor or Analyzed Analyst Lab 5035 Total/NA Prep 5.02 g 5 mL 62479 09/14/23 15:52 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 62513 09/16/23 11:50 MNR **EET MID** 1 Total/NA Total BTEX Analysis 1 62747 09/16/23 11:50 SM **EET MID** Total/NA 8015 NM 62711 09/16/23 02:42 SM **EET MID** Analysis Total/NA Prep 8015NM Prep 9.97 g 10 mL 62493 09/14/23 17:06 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 62509 09/16/23 02:42 SM **EET MID** 1 uL

Client Sample ID: V-5 (0-6") Lab Sample ID: 880-33291-17

1

4.96 g

50 mL

50 mL

50 mL

62557

62821

09/15/23 11:01

09/19/23 15:33

SMC

СН

Date Collected: 09/13/23 00:00

Leach

Analysis

DI Leach

300.0

Date Received: 09/14/23 14:32

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 12:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 18:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 18:42	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62851	09/19/23 19:03	CH	EET MID

Client Sample ID: V-5 (1-1.5') Lab Sample ID: 880-33291-18

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 12:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 19:47	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.94 g 1 uL	10 mL 1 uL	62583 62511	09/15/23 12:04 09/15/23 19:47	TKC SM	EET MID EET MID

Eurofins Midland

Matrix: Solid

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Job ID: 880-33291-1 SDG: Lea Co., NM

Client Sample ID: V-5 (1-1.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 Lab Sample ID: 880-33291-18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62851	09/19/23 19:14	CH	EET MID

Client Sample ID: V-5 (2-2.5') Lab Sample ID: 880-33291-19

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 20:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 20:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 19:26	CH	EET MID

Client Sample ID: V-5 (3-3.5') Lab Sample ID: 880-33291-20

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	62479	09/14/23 15:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 13:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 20:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 20:30	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 19:37	CH	EET MID

Client Sample ID: V-5 (4-4.5') Lab Sample ID: 880-33291-21

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 17:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 17:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 20:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 20:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 19:48	CH	EET MID

Client Sample ID: V-5 (5-5.5')

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

Client: NT Global

Lab Sample ID: 880-33291-22

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 18:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 21:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62851	09/19/23 20:21	CH	EET MID

Client Sample ID: H-1 (0-6") Lab Sample ID: 880-33291-23

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 21:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 20:33	CH	EET MID

Client Sample ID: H-2 (0-6")

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Lab Sample ID: 880-33291-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 18:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 18:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 21:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 21:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 21:06	CH	EET MID

Client Sample ID: H-3 (0-6")

Date Collected: 09/13/23 00:00

Date Received: 09/14/23 14:32

Lab Sample	ID: 880-33291-25
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 19:26	SM	EET MID

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1

SDG: Lea Co., NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-33291-25

Date Collected: 09/13/23 00:00 Matrix: Solid
Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			62711	09/15/23 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 22:20	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	62851	09/19/23 21:17	CH	EET MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-33291-26

Date Collected: 09/13/23 00:00 Date Received: 09/14/23 14:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	62481	09/14/23 16:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	62513	09/16/23 19:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			62747	09/16/23 19:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			62711	09/15/23 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	62583	09/15/23 12:04	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62511	09/15/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62558	09/15/23 11:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	62851	09/19/23 21:28	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Matrix: Solid

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Accreditation/Certification Summary

Client: NT Global Job ID: 880-33291-1
Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-23-26	06-30-24	
The following analytes	are included in this report by	it the leberatory is not cortifi	ad but ha way arming anthority. This list may	arinalista analistaa fari	
the agency does not of	• •	it the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for	
,	• •	Matrix	ed by the governing authority. This list ma	ay include analytes for	
the agency does not of	fer certification.	•	, , ,	ay include analytes for	

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Method Summary

Client: NT Global Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H Job ID: 880-33291-1

SDG: Lea Co., NM

Laboratory	
EET MID	
EET MID	

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global

880-33291-26

H-4 (0-6")

Project/Site: Earthstone-Gramma Ridge 34 State 3BS #005H

Job ID: 880-33291-1 SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33291-1	V-1 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-2	V-1 (1-1.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-3	V-1 (2-2.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-4	V-1 (3-3.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-5	V-2 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-6	V-2 (1-1.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-7	V-2 (2-2.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-8	V-2 (3-3.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-10	V-3 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-11	V-3 (1-1.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-12	V-3 (2-2.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-13	V-4 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-14	V-4 (1-1.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-15	V-4 (2-2.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-16	V-4 (3-3.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-17	V-5 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-18	V-5 (1-1.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-19	V-5 (2-2.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-20	V-5 (3-3.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-21	V-5 (4-4.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-22	V-5 (5-5.5')	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-23	H-1 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-24	H-2 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32
880-33291-25	H-3 (0-6")	Solid	09/13/23 00:00	09/14/23 14:32

Solid

09/13/23 00:00

09/14/23 14:32

3

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5

7

8

10

12

13

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Relinquished by (Signature)

V-2 (3-3 5') V-2 (2-2 5') V-2 (1-1 5')

9/13/2023

9/13/2023 9/13/2023 9/13/2023 9/13/2023 9/13/2023

9/13/2023

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Grab Grab Grab Grab Grab Grab Grab

V-2 (4-4 5')

V-3 (0-6")

9/13/2023 9/13/2023

Additional Comments:

V-1 (3-3 5') V-1 (2-2 5') V-1 (1-1 5')

V-2 (0-6")

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 Xenco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. otice' 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

Recejyed by: (Signature)

Date/Time

Relinquished by. (Signature)

Received by (Signature)

Grant Gardner

<u></u>	ENVIRONMENTAL				cou-33291 Chain of Custody	n of Custody
C. 011 121 121 121 121 121 121 121 121 121						Page1_
Project Manager	Becky Haskell	Bill to: (if different)	С	Chris Martin	Work Ord	Work Order Comments
Company Name.	NTG Environmental	Company Name	200000000000000000000000000000000000000	Earthstone Energy	Program: UST/PST PRP Brownfields RRC	wnfields RRC
Address:	701 Tradewinds Blvd, Suite C	Address.	60	600 N Marienfeld Suite 1000	State of Project:	[
City, State ZIP	Midland, TX 79706	City, State ZIP	S	Midland, Texas 79701	Reporting Level II Level III LPST/UST TRRP	ST/UST TRRP
Phone:	432-967-6544	Email	bal.com bh	askell@ntglobal.com	Deliverables EDD X ADaPT Other	₃PT □ Other
Project Name	Earthstone - Grama Ridge 34 State 3BS #005H	Tum Around		TOTAL CONTRACTOR OF THE CONTRA		5

Sampler's Name

Grant Gardner

Lea Co, NM 237579

Due Date ☑ Routine

Standard

Rush

Pres. Code

TAT starts the day received by the lab if received by 4 30pm

Project Location

SAMPLE RECEIPT

oler Custody Seals: eeived Intact:

Yes No Was

Correction Factor Thermometer ID: emp Blank.

Yes No

Wet Ice:

Kes No

Parameters

BTEX 8021B

TPH 8015M (GRO + DRO + MRO)

Chloride 4500

HOLD

NaHSO₄ NABIS H₃PO₄ HP

Na₂S₂O₃ NaSO₃

Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC

Sample Comments

Page 53 of 56

H₂S0₄. H₂ HCL HC

Cool Cool None NO

HNO3 HN

NaOH Na

МеОН Ме Di Water: H₂O **Preservative Codes**

Level IV

Yes

8

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Corrected Temperature:

Temperature Reading

otal Containers. ample Custody Seals

Sample Identification

Date

Time

Soil

Water

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Grab Grab Grab

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V-1 (0-6")

9/13/2023

Project Number

Page 1	880-33291 Chain of Custody	
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II		

uperfund

Chain of Custody	880-33201	

9/20/2023

Released to Imaging: 4/10/2024 2:16:11 PM

Date/Time

Revised Date 05012020 Rev 2020.1

Grant Gardner

Relinquished by (Signature)

Received by. (Signature)

Date/Time

Relinquished by (Signature)

Received by: (Signature)

Revised Date 05012020 Rev 2020.1

Address. Project Manager Company Name. ENVIRONMENTAL 701 Tradewinds Blvd, Suite C Becky Haskell NTG Environmental Company Name. Bill to (if different) Earthstone Energy 600 N Marienfeld Suite 1000 Chris Martın State of Project: Program: UST/PST PRP Brownfields RRC

City, State ZIP

Midland, Texas 79701

Reporting Level II Level III Lest/UST

RRP

Level IV

uperfund

Work Order Comments

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Phone:	432-967-6544			Email	Email ikindley@ntglobal.com bhaskell@ntglobal.com	global.co	n bha	skell@	ntalob	al.com				De	Deliverables	es EDD	ō 区	_	ADaPT 🔲		Other:	¬;
Project Name	Earthstone -	Grama Ridge	Earthstone - Grama Ridge 34 State 3BS #005H	d'a	Turn Around							ANALYSIS REQUEST	SIS R		4				_	.		
Project Number		237579	9	✓ Routine	기 Rush	Pres. Code	# ·						_		-					None NO	5 S	NO DI Water: H O
Project Location		Lea Co , NM	M	Due Date	Standard								-	\dashv	1	1	1		\perp		<u>{</u>	M-04-120
Sampler's Name		Grant Gardner	dner	TAT starts the	TAT starts the day received by the	the	وسنحدث	RO)												5 5	Σ	MINO LINE
P0#:				lab if rece	lab if received by 4 30pm			+ M													ב כ	Nicoti Nic
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet Ice	Yes No	eter		DRO	00											H-DO LE	E 2	NaCH
Received Intact:	Yes	s No	Thermometer ID		- 1		3021		e 45							<u> </u>				Nation A		<u> </u>
Cooler Custody Seals	. Yes	No N/A	Correction Factor			Pa	policele		orid										HOL		Na S O Noso	· č
Sample Custody Seals	. Yes	No N/A	Temperature Reading				BT		Chl											70 000	Zn AsetatetNeOn Za	L 75
Total Containers.			Corrected Temperature:					8015												NaOH+	Ascorb	SAPC
Sample Identification	tification	Date	Time	Soll	Water C	Grab/ # of Comp Cont	# 	ТРН												Ø	ample	Sample Comments ge 54
V-3 (1-1 5')	1 5')	9/13/2023	_	×	- G	Grab 1	×	×	×			-	\dashv	-	1	1						13.33.21.075.233.000
V-3 (2-2 5')	2 5')	9/13/2023	4	×		Grab 1	×	×	×				_	-	1	1	1		_			
V-4 (0-6")	6")	9/13/2023	ā	×	- -	Grab 1	×	×	×				_	\dashv	_							
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V-4 (2-2 5')	2 5')	9/13/2023	•	×	- G	Grab 1	×	×	×				-		1	+			_			
V-4 (3-3 5')	3 5')	9/13/2023	¥	×	- G	Grab 1	J	×	×				-	+	+	\dashv						
V-5 (0-6")	6")	9/13/2023		×	- G	Grab 1	×	×	×				-		+							
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V-5 (2-2 5')	2 5')	9/13/2023	•	×	. e	Grab 1		×	×				-	\dashv	\dashv							
V-5 (3-3 5')	3 5')	9/13/2023		×	- G	Grab 1	J	×	×													
Additio	Additional Comments:	**																				
Notice Signature of this d	locument and relinqu	ishment of sample	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	der from client cor	nnany to Xenco.	its affiliates	and subc	ontractor	e #ass	ans stan	ford tar	2 pure ou	andition.									
of service. Xenco will be l of Xenco. A minimum cha	iable only for the cos arge of \$85.00 will be a	t of samples and s applied to each pro	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 is such losses are due to critical to entering 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 craviously negotiated	y for any losses or sample submitted	expenses incur	red by the cli	ent if suc	h losses ns will be	are due t	giis siaii o circum	stances I	ances beyond the control	ne contro									
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City, State ZIP

Midland, TX 79706

Work Order No: 5

9/20/2023

Date/Time

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Project Manager E	Becky Haskell				Bill to: (if different)	ferent)	0	Chris Martın	rtin		:						8	Work Order Comments	der C		ents		
Company Name	NTG Environmental	ıental			Company Name	Name:	ш	arthsto	Earthstone Energy	¥				Prog	Program: UST/PST PRP Brownfields RRC	ST/PS		ỡ □	TOWN.	iolde	9	_	Imaginal [
Address.	701 Tradewinds Blvd,	d, Suite	C		Address.		6	2 OO	600 N Marienfeld Suite	Sut	1000			State	State of Project:	iect:		Ę		9	Ę	_	_upenuna _
City, State ZIP	Midland, TX 79706				City, State ZIP	ZIP	7	/lidland,	Midland, Texas 79701					Repo	Reporting Level II Level III LPST/UST	well.] Leve	<u>*</u>	ЛST/I	TST	RRP		Level IV
Phone:	432-967-6544			Email	jkindley@ntglobal com	ntglobal o	4	naskell	bhaskell@ntglobal com	al com				Delive	Deliverables EDD	EDD	\times	>	ADaPT 🗆		Other:		'
Project Name	Earthstone	- Grama Ridge	Earthstone - Grama Ridge 34 State 3BS #005H	7	Turn Around							2	ANAI VSIS DECITEST						_	,		:	
Project Number		237579	79	✓ Routine	TO RUSH	Ч	Pres.	4			_ .			- 3				4		-	Iasai	Vally	Fleservative Codes
Project Location		Lea Co , NM	NM	Due Date	Standard	_		-			_	\dashv	\perp	1				_	\downarrow	Control NO		: 0	Of Water H ₂ O
Sampler's Name		Grant Gardner	ırdner	TAT starts the	day received	by the			ΑΟ,											ביים ביים	ַ בַּ	: 3	WECH ME
PO#:				lab if received by 4.30pm	ived by 4.30p	ğ į	s		+ IV(I											ביייי בייי	ב ל	2 1	HNC3. HN
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet ice	Yes	8	eter						•							12004 112	5 2	2	NaCh Na
Received Intact:	Yes	es No	Thermometer ID:		- 1		ram	3021	e 45											Night C4. III	7 -	0	
Cooler Custody Seals.	Yes	No N/A	Correction Factor				Pa												HOL	מ פו	Na. S.O. Naso.	3 5	
Sample Custody Seals	s. Yes	No N/A	Temperature Reading																	20 A	Zn Acetate+NaO		7
Total Containers.			Corrected Temperature:					0045	8015										~~ ~ }	VaOH	NaOH+Ascorbic Acid	rbic Ac	NaOH+Ascorbic Acid SAPC
Sample Identification	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TDI					·····							ø	ample	e Con	Sample Comments
V-5 (4-4 5')	5')	9/13/2023	-	×	-	Grab		×	×			-					_	_	_				
V-5 (5-5 5')	5')	9/13/2023	1	×	-	Grab	_	×	×				-	1				_	_				
H-1 (0-6")	5")	9/13/2023		×	-	Grab		×	×			_		1					\downarrow				
H-2 (0-6")	0")	9/13/2023	ı	×	-	Grab		×	×		_	_		1			1	\downarrow	_				
H-3 (0-6")	0)	9/13/2023	-	×	1	Grab	_	×	×				-				_						
H-4 (0-6")	5,5	9/13/2023	-	×	,	Grab		×	×														
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Addition	Additional Comments:	S:																					
Notice: Signature of this do of service. Xenco will be lia of Xenco. A minimum char	ocument and reling able only for the co ge of \$85.00 will be	uishment of sample st of samples and s applied to each pr	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 st 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 circu 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	rder from client cor ty for any losses of sample submitted	mpany to Xeno r expenses inc to Xenco, but	o, its affiliat surred by the	es and sub client if so . These te	ocontract uch losse	ors. It ass s are due se enforce	It assigns stan	dard tern	andard terms and conditions umstances beyond the control	nditions e control										
Relinquished by (Signature)	(Signature)		Received by (S	(Signature)			ֶם	Date/Time	Ф		linquis	ned by	Relinquished by (Signature)	lure)		Rece	ved	Received by (Signature)	natun	e	-	밁	Date/Time
Grant Gardner			XXX			<u></u>	7	12	B	2			33	×									
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Page 55 of 56

Work Order No: _ Loc: 880 33291

9/20/2023

Revised Date 05012020 Rev 2020.

Login Sample Receipt Checklist

Client: NT Global Job Number: 880-33291-1 SDG Number: Lea Co., NM

Login Number: 33291 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurofins Midland 9/20/2023



November 21, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 11/16/23 14:23.

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)

Wite Sough

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,

Mike Snyder For 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: 11/16/2023
Reported: 11/21/2023
Project Name: GRAMA RIDGE

Project Number: 237778
Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (3') (H236283-01)

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	11/17/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/17/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	11/17/2023	ND	464	116	400	10.9	
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	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	10.6	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 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.

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Analytical Results For:

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

Received: 11/16/2023 Reported: 11/21/2023

Project Name: GRAMA RIDGE Project Number: 237778 Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type:

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Soil

Sample ID: CS - 5 (3') (H236283-02)

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	11/17/2023	ND	2.06	103	2.00	5.32	
Toluene*	< 0.050	0.050	11/17/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 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	80.0	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	109 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	6 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 whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 7 (4') (H236283-03)

RTFY 8021R

B1EX 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	11/17/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/17/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 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: 11/16/2023 Sampling Date: 11/16/2023 Reported: Sampling Type: Soil 11/21/2023

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact Sample Received By: Project Number: 237778 Shalyn Rodriguez

Project Location: NONE GIVEN

Sample ID: CS - 15 (4') (H236283-04)

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	11/17/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/17/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 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: 11/16/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil

Project Name:GRAMA RIDGESampling Condition:Cool & IntactProject Number:237778Sample Received By:Shalyn RodriguezProject Location:NONE GIVEN

Sample ID: CS - 23 (6') (H236283-05)

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	11/17/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/17/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	480	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 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: 11/16/2023

Reported: 11/21/2023

Project Name: GRAMA RIDGE

Project Name: GRAMA RIDGE
Project Number: 237778
Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS - 26 (6') (H236283-06)

BTEX 8021B

	<u> </u>			· , · ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/18/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/18/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/18/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 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	288	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

Analyzed By: JH/

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 32 (7') (H236283-07)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/18/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/18/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/18/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/18/2023	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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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11/16/2023

Soil

Analytical Results For:

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

Received: 11/16/2023 Sampling Date:

Reported: 11/21/2023 Sampling Type:

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: NONE GIVEN

Sample ID: CS - 33 (7') (H236283-08)

BTEX 8021B

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Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/18/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/18/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/18/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	96.0	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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11/16/2023

Analytical Results For:

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

Received: 11/16/2023 Sampling Date:
Reported: 11/21/2023 Sampling Type:

Reported:11/21/2023Sampling Type:SoilProject Name:GRAMA RIDGESampling Condition:Cool & IntactProject Number:237778Sample Received By:Shalyn Rodriguez

Analyzed By: JH/

Project Location: NONE GIVEN

Sample ID: CS - 34 (7') (H236283-09)

BTEX 8021B

	<u> </u>			. , . ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2023	ND	2.06	103	2.00	5.32	
Toluene*	<0.050	0.050	11/18/2023	ND	1.86	93.1	2.00	6.98	
Ethylbenzene*	<0.050	0.050	11/18/2023	ND	1.93	96.3	2.00	7.16	
Total Xylenes*	<0.150	0.150	11/18/2023	ND	5.81	96.8	6.00	7.30	
Total BTEX	<0.300	0.300	11/18/2023	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	64.0	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 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: 11/16/2023 Reported: 11/21/2023

Project Name: GRAMA RIDGE
Project Number: 237778
Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS - 35 (7') (H236283-10)

RTFY 8021R

B1EX 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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	80.0	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	187	93.6	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	193	96.6	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023
Reported: 11/21/2023 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 36 (7') (H236283-11)

RTFY 8021R

B1EX 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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Me Sough



Analytical Results For:

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

Received: 11/16/2023 Reported: 11/21/2023

Project Name: GRAMA RIDGE Project Number: 237778 Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: CS - 37 (7') (H236283-12)

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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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with Sigh



Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023
Reported: 11/21/2023 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 38 (7') (H236283-13)

RTFY 8021R

B1EX 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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	80.0	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Mile Sough



Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Shalyn Rodriguez

Analyzed By: 1H /

Project Location: NONE GIVEN

Sample ID: CS - 40 (4') (H236283-14)

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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	256	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	33.9	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Mile Sough



Analytical Results For:

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

Received: 11/16/2023 Sampling Date: 11/16/2023

Reported: 11/21/2023 Sampling Type: Soil

Project Name:GRAMA RIDGESampling Condition:Cool & IntactProject Number:237778Sample Received By:Shalyn RodriguezProject Location:NONE GIVEN

Analyzed By: 1H /

Sample ID: CS - 43 (4') (H236283-15)

RTFY 8021R

B1EX 8021B	mg,	r Kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Mr. Songh



Analytical Results For:

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

Received: 11/16/2023 Reported: 11/21/2023 Project Name: GRAMA RIDGE

Project Number: 237778 Project Location: NONE GIVEN Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: CS - 44 (4') (H236283-16)

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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 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	192	16.0	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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with Sigh



Analytical Results For:

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

Received: 11/16/2023
Reported: 11/21/2023
Project Name: GRAMA RIDGE

Project Number: 237778
Project Location: NONE GIVEN

Sampling Date: 11/16/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: CS - 39 (3') (H236283-17)

RTFY 8021R

B1EX 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	11/17/2023	ND	1.89	94.4	2.00	2.95	
Toluene*	<0.050	0.050	11/17/2023	ND	2.02	101	2.00	2.12	
Ethylbenzene*	<0.050	0.050	11/17/2023	ND	2.01	101	2.00	2.15	
Total Xylenes*	<0.150	0.150	11/17/2023	ND	6.08	101	6.00	2.28	
Total BTEX	<0.300	0.300	11/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	11/17/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2023	ND	199	99.4	200	2.17	
DRO >C10-C28*	<10.0	10.0	11/17/2023	ND	201	101	200	2.67	
EXT DRO >C28-C36	<10.0	10.0	11/17/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111	% 49.1-14	8						

Analyzed By: 1H /

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

(0,0)	120 LVV (212) 222-7410			
Company Name: NTGE		BILL TO	ANALYSIS REQUEST	
Project Manager: Be duy 14	Hesheel	P.O. #:		
	Ś	Company:		_
City: Carlspul	State: N/M Zip: 88220	Attn:		_
Phone #: U32 924 8056	Fax#:	Address:		
Project #: 237778	Project Owner: Earthstand	City:		_
Project Name: Les Connt	,,,	State: Zip:		_
Project Location: Ofm	al de la	Phone #:		_
1	1 12 days	Fax #:	8	
FOR LAB USE ONLY		PRESERV. SAMPLING	Tile	_
Lab I.D. Sam	(G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlar TPH BTE	
55.	2 (3) C	9)-11	5:08	
55.	7 (4)			
	23 (6)			
0	6 (6)			
6 5 5				
	((7))			
/6	16 CS-3S C7) 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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed walved 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.	et or tort, shall be limited to the amount paid nd received by Cardinal within 30 days after to loss of profits incurred by cl., loss of use, or loss of profits incurred by cl.	by the client for the completen of the applicable and the applicable a	
Relinquished By: Relinquished By:	Date: 1-16-23 Received By: Date: Received By:	Migul Lings	Verbal Result: ☐ Yes ☐ No ☐ Add'! Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One)	0.50	CHECKED BY:	Standard Rush	
Sampler - UPS - Bus - Other:		SK	☐ Yes ☐ Yes ☐ No ☐ No	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	(575) 393-2476			
Company Name: NTUE		BILL TO	ANALYSIS	YSIS REQUEST
Project Manager: Becky Heskel	P	P.O. #:		
Address: ZBM W Mchan		Company:		
city: Car 1s band	State: N/M Zip: 88220 AI	Attn:		
1508 MZN 8056		Address:		
	Project Owner: Enth Educe Ci	City:		
· Ridge		State: Zip:		
Project Location: Los Country		Phone #:		
1	h	Fax #:	S	
,		PRESERV. SAMI	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER:	CHON'S PH BTEX	
11 (2:37)	- <i>-</i>		9:30	
13 Cs-38 C	٠ <u>,</u>			
15 C3-43 (4)				
17 (5-39 6				
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's analyses. All claims including those for negligence and any other sau service. In no event shall Cardinal be liable for incidental or conseque afficians or successors arise. You do or related to the performance of	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 the client for the nankyses. 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 competition 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 incruded by clerk its subsidiaries, affiliates or successors are,	nt, shall be limited to the amount pai ceived by Cardinal within 30 days afte of use, or loss of profits incurred by each upon of the above stalked to	by the client for the completion of the applicable feen, its subsidiaries, sens or otherwise.	
da	ed By:	Moraciak		none #: address:
Relinquished By:	Date: Received By:	Done	REMARKS:	
Delivered By: (Circle One) Obse Sampler - UPS - Bus - Other: Corre	Observed Temp. °C Sample Condition Cool Intact Corrected Temp. °C A Yes A Yes	CHECKED BY:	Turnaround Time: Standard E	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes



January 08, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 11/29/23 16:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 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 Number: 237778

Reported: 08-Jan-24 15:33

MIDLAND TX, 79706

Project Manager: BECKY HASKELL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (7)	H236437-01	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 2 (7)	H236437-02	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 3 (7)	H236437-03	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 6 (7)	H236437-04	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 8 (7)	H236437-05	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 9 (7)	H236437-06	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 10 (7)	H236437-07	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 11 (7)	H236437-08	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 12 (7)	H236437-09	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 13 (7)	H236437-10	Soil	29-Nov-23 09:00	29-Nov-23 16:11
CS - 14 (7)	H236437-11	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 16 (1)	H236437-12	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 18 (6)	H236437-13	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 19 (6)	H236437-14	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 20 (6)	H236437-15	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 21 (1')	H236437-16	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 22 (1)	H236437-17	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 24 (1)	H236437-18	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 25 (3)	H236437-19	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 27 (3)	H236437-20	Soil	29-Nov-23 09:30	29-Nov-23 16:11
CS - 17 (6)	H236437-21	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 28 (3)	H236437-22	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 29 (3)	H236437-23	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 30 (7)	H236437-24	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 31 (4)	H236437-25	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 41 (3)	H236437-26	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 42 (3)	H236437-27	Soil	29-Nov-23 10:00	29-Nov-23 16:11

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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: Project Number: Project Manager: Fax To:		Reported: 08-Jan-24 15:33
CS - 45 (3)	H236437-28	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 46 (3)	H236437-29	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 47 (3)	H236437-30	Soil	29-Nov-23 10:00	29-Nov-23 16:11
CS - 48 (3)	H236437-31	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 1 (0-7)	H236437-32	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 2 (0-7)	H236437-33	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 3 (0-4)	H236437-34	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 4 (0-4)	H236437-35	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 5 (0-7)	H236437-36	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 6 (0-7)	H236437-37	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 7 (0-7)	H236437-38	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 8 (0-7)	H236437-39	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 9 (0-3)	H236437-40	Soil	29-Nov-23 10:30	29-Nov-23 16:11
SW - 10 (3-7)	H236437-41	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 11 (1-3)	H236437-42	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 12 (0-1')	H236437-43	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 13 (1-3)	H236437-44	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 14 (1-7)	H236437-45	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 15 (3-7)	H236437-46	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 16 (0-3)	H236437-47	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 17 (0-3)	H236437-48	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 18 (3-6)	H236437-49	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 19 (3-7)	H236437-50	Soil	29-Nov-23 11:00	29-Nov-23 16:11
SW - 20 (4-7)	H236437-51	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 21 (0-4)	H236437-52	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 22 (0-4)	H236437-53	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 23 (6-7)	H236437-54	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 24 (4-6)	H236437-55	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 25 (6-7)	H236437-56	Soil	29-Nov-23 11:30	29-Nov-23 16:11
SW - 26 (4-7)	H236437-57	Soil	29-Nov-23 11:30	29-Nov-23 16:11

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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: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

SW - 27 (0-7')

H236437-58

Soil

29-Nov-23 11:30

29-Nov-23 16:11

01/08/24 - Client changed the sample IDs on -16, -43 and -58 (see COC). This is the revised report and will replace the one sent on 12/04/23.

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

CS - 1 (7) H236437-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	3113010	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	71.5	-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
DRO >C10-C28*	273		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			73.3 %	48.2	-134	3112927	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			80.9 %	49.1	-148	3112927	MS	30-Nov-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 2 (7) H236437-02 (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	3113010	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		100 %	71.5	-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
DRO >C10-C28*	77.7		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112927	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			88.0 %	48.2	-134	3112927	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			86.5 %	49.1	-148	3112927	MS	30-Nov-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 3 (7) H236437-03 (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	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		98.9 %	71.5	i-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	QM-07
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			92.0 %	48.2	2-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 6 (7) H236437-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		104 %	71.5	-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			87.5 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			98.0 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

CS - 8 (7) H236437-05 (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	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	71.5	-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	289		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			93.3 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3112928	MS	30-Nov-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 Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 9 (7) H236437-06 (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	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113001	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		111 %	71.5	-134	3113001	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	204		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			87.1 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

CS - 10 (7) H236437-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds h	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	QR-03
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	QR-03
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	QR-03
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by G	SC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	33.5		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			88.5 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			99.6 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 11 (7) H236437-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)))		104 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	51.7		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			78.7 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			88.7 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 12 (7) H236437-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	560		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		107 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	40.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			88.4 %	48.2-	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 13 (7) H236437-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		102 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	271		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			89.0 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3112928	MS	30-Nov-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: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 14 (7) H236437-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		114 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	408		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			90.5 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 16 (1) H236437-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			90.4 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 18 (6) H236437-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	528		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.7 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	62.2		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			81.0 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			88.3 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 19 (6) H236437-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		109 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	38.5		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			88.5 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			99.6 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 20 (6) H236437-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		99.8 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	50.6		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			76.0 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			84.6 %	49.1	-148	3112928	MS	30-Nov-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: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 21 (1') H236437-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		105 %	71.5	i-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	163		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			81.3 %	48.2	2-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			94.8 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 22 (1) H236437-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	720		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	66.1		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 24 (1) H236437-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		99.7 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			90.2 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3112928	MS	30-Nov-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: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 25 (3) H236437-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	416		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		106 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	25.8		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			83.6 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			93.2 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 27 (3) H236437-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		96.5 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			91.7 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Reported:



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

08-Jan-24 15:33

Fax To:

CS - 17 (6) H236437-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	768		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		103 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	64.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			83.1 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			94.7 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE Project Number: 237778 Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 28 (3) H236437-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3113020	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	ЈН	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		111 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			97.0 %	48.2	-134	3112928	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3112928	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 29 (3) H236437-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	496		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		98.6 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	66.4		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			71.3 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			69.1 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 30 (7) H236437-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1360		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		102 %	71.5	-134	3113002	JH	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			73.8 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			71.8 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 31 (4) H236437-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		110 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	26.9		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			83.9 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			81.7 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 41 (3) H236437-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113002	JН	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113002	JH	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		102 %	71.5	-134	3113002	ЈН	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	13.1		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			70.9 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			65.7 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 42 (3) H236437-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			78.5 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			74.4 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 45 (3) H236437-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	560		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	140		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			73.6 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			72.9 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 46 (3) H236437-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	10.1		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			63.8 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			59.4 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 47 (3) H236437-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	592		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		118 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			71.7 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			66.2 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

CS - 48 (3) H236437-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			74.7 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			70.3 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE Project Number: 237778 Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW-1 (0-7) H236437-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		118 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			85.0 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			78.6 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 2 (0-7) H236437-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		118 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			72.9 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			67.6 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 3 (0-4) H236437-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	2200		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		117 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			60.0 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			54.4 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 4 (0-4) H236437-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds I	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	73.3		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			64.9 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			62.3 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Reported: 08-Jan-24 15:33

Project Manager: BECKY HASKELL

Fax To:

SW - 5 (0-7) H236437-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method S	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	212		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			72.6 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			71.0 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 6 (0-7) H236437-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	116		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			62.0 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			57.8 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 7 (0-7) H236437-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1880		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			74.1 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			68.4 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 8 (0-7) H236437-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	3113016	НМ	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050	_	0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	<u> </u>
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	_	10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			69.2 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			64.0 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celeg D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 9 (0-3) H236437-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	340		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			54.6 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			50.1 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 10 (3-7) H236437-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	784		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			79.3 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			73.4 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Reported: 08-Jan-24 15:33

Project Manager: BECKY HASKELL

Fax To:

SW - 11 (1-3) H236437-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	608		16.0	mg/kg	4	3113016	HM	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
DRO >C10-C28*	10.7		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			63.3 %	48.2	-134	3112929	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			59.8 %	49.1	-148	3112929	MS	30-Nov-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Reported: 08-Jan-24 15:33

Project Manager: BECKY HASKELL

Fax To:

SW - 12 (0-1') H236437-43 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	816		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	31.6		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			76.2 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			81.4 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 13 (1-3) H236437-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		120 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			82.5 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			85.8 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Reported: 08-Jan-24 15:33

Project Manager: BECKY HASKELL

Fax To:

SW - 14 (1-7) H236437-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	640		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	166		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			81.0 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			86.0 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 15 (3-7) H236437-46 (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	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113003	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	(D)		119 %	71.5	-134	3113003	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	31.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			83.0 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			88.2 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE Project Number: 237778 Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 16 (0-3) H236437-47 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			84.6 %	48.2-	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			87.2 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 17 (0-3) H236437-48 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	TD)		106 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			87.3 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			90.2 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 18 (3-6) H236437-49 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			85.6 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			88.7 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 19 (3-7) H236437-50 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	832		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		105 %	71.5	i-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			90.3 %	48.2	?-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			93.9 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 20 (4-7) H236437-51 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	544		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		105 %	71.5	5-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			87.8 %	48.2	?-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			91.7 %	49.1	'-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 21 (0-4) H236437-52 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	2560		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		106 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	14.4		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			92.9 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			97.1 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 22 (0-4) H236437-53 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	512		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		105 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			91.5 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			94.5 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 23 (6-7) H236437-54 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		105 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			94.2 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			97.6 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 24 (4-6) H236437-55 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			77.8 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			79.7 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 25 (6-7) H236437-56 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			75.1 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			77.0 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Reported: 08-Jan-24 15:33

Project Manager: BECKY HASKELL

Fax To:

SW - 26 (4-7) H236437-57 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		106 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			76.2 %	48.2	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			77.6 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: GRAMA RIDGE 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

SW - 27 (0-7') H236437-58 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1630		16.0	mg/kg	4	3113021	AC	30-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3113005	JH/	30-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	71.5	-134	3113005	JH/	30-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctane			74.3 %	48.2-	-134	3113004	MS	30-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			77.3 %	49.1	-148	3113004	MS	30-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Inorganic Compounds - Quality Control

Fax To:

Cardinal Laboratories

		Reporting		Spike	Source	A/PEG	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3113010 - 1:4 DI Water										
Blank (3113010-BLK1)				Prepared &	k Analyzed:	30-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3113010-BS1)				Prepared &	analyzed:	30-Nov-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3113010-BSD1)				Prepared &	analyzed:	30-Nov-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3113016 - 1:4 DI Water										
Blank (3113016-BLK1)				Prepared &	analyzed:	30-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3113016-BS1)				Prepared &	k Analyzed:	30-Nov-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3113016-BSD1)				Prepared &	α Analyzed:	30-Nov-23				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 3113020 - 1:4 DI Water										
Blank (3113020-BLK1)				Prepared &	ն Analyzed:	30-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3113020-BS1)				Prepared &	ն Analyzed:	30-Nov-23				
Chloride	416	16.0	mg/kg	400		104	80-120	<u> </u>		

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3113020 - 1:4 DI Water										
LCS Dup (3113020-BSD1)				Prepared &	Analyzed:	30-Nov-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3113021 - 1:4 DI Water										
Blank (3113021-BLK1)				Prepared &	Analyzed:	30-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3113021-BS1)				Prepared &	Analyzed:	30-Nov-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3113021-BSD1)				Prepared &	Analyzed:	30-Nov-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: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Spike

Source

Reported: 08-Jan-24 15:33

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3113001 - Volatiles										
Blank (3113001-BLK1)				Prepared &	: Analyzed:	30-Nov-23	3			
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)	0.0504		mg/kg	0.0500		101	71.5-134			
LCS (3113001-BS1)				Prepared &	Analyzed:	30-Nov-23	3			
Benzene	1.77	0.050	mg/kg	2.00		88.3	82.8-130			
Toluene	1.79	0.050	mg/kg	2.00		89.5	86-128			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.5	85.9-128			
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.7	89-129			
o-Xylene	1.93	0.050	mg/kg	2.00		96.6	86.1-125			
Total Xylenes	5.76	0.150	mg/kg	6.00		96.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0547		mg/kg	0.0500		109	71.5-134			
LCS Dup (3113001-BSD1)				Prepared &	: Analyzed:	30-Nov-23	3			
Benzene	1.96	0.050	mg/kg	2.00		98.1	82.8-130	10.6	15.8	
Toluene	2.00	0.050	mg/kg	2.00		100	86-128	11.2	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128	11.4	16	
m,p-Xylene	4.30	0.100	mg/kg	4.00		108	89-129	11.7	16.2	
o-Xylene	2.16	0.050	mg/kg	2.00		108	86.1-125	11.1	16.7	
Total Xylenes	6.46	0.150	mg/kg	6.00		108	88.2-128	11.5	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0552		mg/kg	0.0500		110	71.5-134			
Batch 3113002 - Volatiles										
Blank (3113002-BLK1)				Prepared &	: Analyzed:	30-Nov-23	3			
Danzana	ND	0.050	ma/lea							

		Prepared & Analyzed: 30-Nov-23
ND	0.050	mg/kg
ND	0.050	mg/kg
ND	0.050	mg/kg
ND	0.150	mg/kg
	ND ND	ND 0.050 ND 0.050

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Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Spike

Source

Reported: 08-Jan-24 15:33

RPD

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3113002 - Volatiles										
Blank (3113002-BLK1)				Prepared &	: Analyzed:	30-Nov-23	3			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			
LCS (3113002-BS1)				Prepared &	: Analyzed:	30-Nov-23	3			
Benzene	1.86	0.050	mg/kg	2.00		93.1	82.8-130			
Toluene	1.88	0.050	mg/kg	2.00		93.8	86-128			
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.9	85.9-128			
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.0	89-129			
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	86.1-125			
Total Xylenes	5.86	0.150	mg/kg	6.00		97.7	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0528		mg/kg	0.0500		106	71.5-134			
LCS Dup (3113002-BSD1)				Prepared &	: Analyzed:	30-Nov-23	3			
Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130	5.99	15.8	
Toluene	2.04	0.050	mg/kg	2.00		102	86-128	8.42	15.9	
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	85.9-128	9.61	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129	9.42	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125	9.59	16.7	
Total Xylenes	6.44	0.150	mg/kg	6.00		107	88.2-128	9.47	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0548		mg/kg	0.0500		110	71.5-134			

Blank (3113003-BLK1)				Prepared & Analy	yzed: 30-Nov-23	3	
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)	0.0592		mg/kg	0.0500	118	71.5-134	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

86-128

85.9-128

89-129

96.2

97.2

99.9

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Spike

2.00

2.00

4.00

Source

Reported: 08-Jan-24 15:33

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3113003 - Volatiles										
LCS (3113003-BS1)				Prepared &	k Analyzed:	30-Nov-23				
Benzene	1.83	0.050	mg/kg	2.00		91.6	82.8-130			

mg/kg

mg/kg

mg/kg

Surrogate: 4-Bromofluorobenzene (PID)	0.0572		mg/kg	0.0500	114	71.5-134
Total Xylenes	5.91	0.150	mg/kg	6.00	98.4	88.2-128
o-Xylene	1.91	0.050	mg/kg	2.00	95.5	86.1-125

1.92

1.94

3.99

Reporting

0.050

0.050

0.100

LCS Dup (3113003-BSD1)				Prepared & Ana	lyzed: 30-Nov-23	3			
Benzene	1.91	0.050	mg/kg	2.00	95.5	82.8-130	4.18	15.8	
Toluene	2.01	0.050	mg/kg	2.00	100	86-128	4.24	15.9	
Ethylbenzene	2.02	0.050	mg/kg	2.00	101	85.9-128	4.01	16	
m,p-Xylene	4.17	0.100	mg/kg	4.00	104	89-129	4.18	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00	100	86.1-125	5.07	16.7	
Total Xylenes	6.17	0.150	mg/kg	6.00	103	88.2-128	4.47	16.3	

 Surrogate: 4-Bromofluorobenzene (PID)
 0.0563
 mg/kg
 0.0500
 113
 71.5-134

Batch 3113005 - Volatiles

Toluene

Ethylbenzene

m,p-Xylene

Blank (3113005-BLK1)				Prepared & Analy	yzed: 30-Nov-2	3	
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)	0.0530		mg/kg	0.0500	106	71.5-134	

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Celey D. Keene

Reported:

RPD



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

08-Jan-24 15:33

%REC

Fax To:

Reporting

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

		resporting		opme	Domes		, orthogram		1112	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3113005 - Volatiles										
LCS (3113005-BS1)				Prepared &	Analyzed:	30-Nov-23	3			
Benzene	2.23	0.050	mg/kg	2.00		111	82.8-130			
Toluene	2.20	0.050	mg/kg	2.00		110	86-128			
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128			
m,p-Xylene	4.82	0.100	mg/kg	4.00		120	89-129			
o-Xylene	2.11	0.050	mg/kg	2.00		106	86.1-125			
Total Xylenes	6.93	0.150	mg/kg	6.00		115	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			
LCS Dup (3113005-BSD1)				Prepared &	Analyzed:	30-Nov-23	3			
Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130	5.29	15.8	
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	5.72	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	5.55	16	
m,p-Xylene	4.60	0.100	mg/kg	4.00		115	89-129	4.58	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	5.12	16.7	
Total Xylenes	6.61	0.150	mg/kg	6.00		110	88.2-128	4.74	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:33

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3112927 - General Prep - Organics										
Blank (3112927-BLK1)				Prepared: 2	29-Nov-23 A	Analyzed: 3	30-Nov-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	43.6		mg/kg	50.0		87.2	48.2-134			
Surrogate: 1-Chlorooctadecane	40.3		mg/kg	50.0		80.6	49.1-148			
LCS (3112927-BS1)				Prepared: 2	29-Nov-23 A	Analyzed: 3	30-Nov-23			
GRO C6-C10	215	10.0	mg/kg	200		107	66.4-123			
DRO >C10-C28	195	10.0	mg/kg	200		97.4	66.5-118			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0		91.7	48.2-134			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.0	49.1-148			
LCS Dup (3112927-BSD1)				Prepared: 2	29-Nov-23 A	Analyzed: 3	30-Nov-23			
GRO C6-C10	205	10.0	mg/kg	200		103	66.4-123	4.39	17.7	<u> </u>
DRO >C10-C28	186	10.0	mg/kg	200		92.9	66.5-118	4.76	21	
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	77.6-123	4.56	18.5	
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.7	48.2-134			
Surrogate: 1-Chlorooctadecane	43.9		mg/kg	50.0		87.7	49.1-148			
Batch 3112928 - General Prep - Organics										
Blank (3112928-BLK1)				Prepared: 2	29-Nov-23 A	Analyzed: 3	30-Nov-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	42.1		mg/kg	50.0		84.2	48.2-134			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		96.1	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



%PEC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Snika

08-Jan-24 15:33

Reported:

DDD

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3112928 - General Prep - Organics										
LCS (3112928-BS1)				Prepared: 2	29-Nov-23	Analyzed: 3	30-Nov-23			
GRO C6-C10	219	10.0	mg/kg	200		109	66.4-123			
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118			
Total TPH C6-C28	436	10.0	mg/kg	400		109	77.6-123			
Surrogate: 1-Chlorooctane	45.7		mg/kg	50.0		91.5	48.2-134			
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0		95.5	49.1-148			
LCS Dup (3112928-BSD1)				Prepared: 2	29-Nov-23	Analyzed: 3	30-Nov-23			
GRO C6-C10	218	10.0	mg/kg	200		109	66.4-123	0.274	17.7	
DRO >C10-C28	224	10.0	mg/kg	200		112	66.5-118	2.74	21	
Total TPH C6-C28	442	10.0	mg/kg	400		110	77.6-123	1.24	18.5	
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.2	48.2-134			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		100	49.1-148			
Batch 3112929 - General Prep - Organics										
Blank (3112929-BLK1)				Prepared: 2	29-Nov-23	Analyzed: 3	30-Nov-23			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.0		mg/kg	50.0		78.1	48.2-134			
Surrogate: 1-Chlorooctadecane	38.0		mg/kg	50.0		76.0	49.1-148			
LCS (3112929-BS1)				Prepared: 2	29-Nov-23	Analyzed: 3	30-Nov-23			
GRO C6-C10	186	10.0	mg/kg	200		93.1	66.4-123			
DRO >C10-C28	188	10.0	mg/kg	200		94.1	66.5-118			
Total TPH C6-C28	374	10.0	mg/kg	400		93.6	77.6-123			
Surrogate: 1-Chlorooctane	43.7		mg/kg	50.0		87.4	48.2-134			
Surrogate: 1-Chlorooctadecane	41.2		mg/kg	50.0		82.3	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:33

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3112929 - General Prep - Organics										
LCS Dup (3112929-BSD1)				Prepared: 2	29-Nov-23 A	Analyzed: 3	30-Nov-23			
GRO C6-C10	187	10.0	mg/kg	200		93.4	66.4-123	0.310	17.7	
DRO >C10-C28	184	10.0	mg/kg	200		92.2	66.5-118	2.07	21	
Total TPH C6-C28	371	10.0	mg/kg	400		92.8	77.6-123	0.880	18.5	
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.7	48.2-134			
Surrogate: 1-Chlorooctadecane	40.4		mg/kg	50.0		80.8	49.1-148			
Batch 3113004 - General Prep - Organics										
Blank (3113004-BLK1)				Prepared &	Analyzed:	30-Nov-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	41.8		mg/kg	50.0		83.6	48.2-134			
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.5	49.1-148			
LCS (3113004-BS1)				Prepared &	z Analyzed:	30-Nov-23	3			
GRO C6-C10	194	10.0	mg/kg	200		96.9	66.4-123			
DRO >C10-C28	186	10.0	mg/kg	200		93.1	66.5-118			
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	77.6-123			
Surrogate: 1-Chlorooctane	44.0		mg/kg	50.0		87.9	48.2-134			
Surrogate: 1-Chlorooctadecane	45.3		mg/kg	50.0		90.7	49.1-148			
LCS Dup (3113004-BSD1)				Prepared &	z Analyzed:	30-Nov-23	3			
GRO C6-C10	195	10.0	mg/kg	200		97.7	66.4-123	0.825	17.7	
DRO >C10-C28	187	10.0	mg/kg	200		93.4	66.5-118	0.282	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	77.6-123	0.559	18.5	
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.8	48.2-134			
Surrogate: 1-Chlorooctadecane	46.1		mg/kg	50.0		92.3	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 	194 of 361
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11 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	es

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Observed Temp. °C Cool Corrected Temp. °C Corrected Temp. °C Cool Corrected Temp. °C	Relinquished By Time: 3:55 Relinquished By:	City: C. K. R. A. State: J.M. Zip: 8720. Phone #: 432 A 24-866 Fax #: Project Owner: & Assburg State: Zip: Address: Project Location. & City: Address: Project Location. & City: State: Zip: Project Location. & City: State: Zip: Phone #: Fax #: Project Location. & City: State: Zip: Phone #: Fax #: For U-8 USE COLL. Sampler Name: C. C. L. A. L. M. S. J. S. Sample I.D. Sampler Name: C. C. L. A. L. M. S. J. S. Sample I.D. Sampler Name: C. C. L. M. S. J. S. Sample I.D. Sampler Name: C. S. J. S. Sample I.D. Sampler Name: C. S. J. S. Sample I.D. G. G. C. S. Sample I.D. Address: Zip: Phone #: Fax #:	the laskel
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-CF-CUSTODY AND ANALYSIS REQUEST

CARDINAL
Laboratories

101 East Marland, Hobbs, NM 882

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analyses All claims including those for negige service. In no event shall Cardinal be liable for affiliation or successors arining out of or related to Relinquished By: Relinquished By: Relinquished By: Circle One) Sampler - UPS - Bus - Other:	Address: 269 W M City: C ASBAJ Phone #: 432 924-826 Project Name: Gama R Project Location: E & C Sampler Name: Gama R POR LAB USE ONLY #### SW-1 ####################################	Project Manager: Q
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-CF-CUSTODY AND ANALYSIS REQUEST



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out or realized to the performance of services hereunt, " by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	Date: 1-39 Date: 11-39-33 Time: 5:59 Date: 11-39-33 Time: 6:11-39-33 Time: 7:59 Date: 11-39-33 Time: 7:59 Date: 11-39 D	SC SW-25 (4-7) ST SW-25 (4-7) SW-27 (4-7) FLEASE NOTE: Lubbilly and Damages. Cardend's labbilly and client's exclusive remady for any claim aroung whether based in cramphyses. All claims including those for negligence and any other cause wholstowers shall be deemed waved unless made in with a filling or successful and client's exclusive remady for any claim aroung whether based in or annoyees. All claims including those for incidental or consequential damages, including without innitiation, business internal affiliation, or successful and the liable for incidental or consequential damages, including without innitiation, business internal affiliation, or successful and the liable for incidental or consequential damages, including without innitiation, business internal.	infract or toot, shall be limited to the amount paid by the client for the fing and received by Cardinal within 30 days after completion of the applicable does to loss of trade in corners to rother.	



January 08, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 12/15/23 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 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 MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237863

Reported: 08-Jan-24 15:23

Project Manager: BECKY HASKELL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 A (8)	H236696-01	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 8 A (8)	H236696-02	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 9 A (8)	H236696-03	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 13 A (8)	H236696-04	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 14 A (8)	H236696-05	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 17 A (7)	H236696-06	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 21 A (2)	H236696-07	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 22 A (2)	H236696-08	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 30 A (9)	H236696-09	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 45 A (7)	H236696-10	Soil	15-Dec-23 09:00	15-Dec-23 14:00
CS - 49 (1)	H236696-11	Soil	15-Dec-23 09:30	15-Dec-23 14:00
CS - 50 (8)	H236696-12	Soil	15-Dec-23 09:30	15-Dec-23 14:00
CS - 52 (4')	H236696-13	Soil	15-Dec-23 09:30	15-Dec-23 14:00
CS - 53 (7)	H236696-14	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 10 A (3'-7')	H236696-15	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 11 A (3-8)	H236696-16	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 12 A (0-2)	H236696-17	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 14 A (1-8)	H236696-18	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 19 A (7-9)	H236696-19	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 20 A (4-9)	H236696-20	Soil	15-Dec-23 09:30	15-Dec-23 14:00
SW - 24 A (4-7)	H236696-21	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 28 (0-9)	H236696-22	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 29 (7-9)	H236696-23	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 30 (6-9)	H236696-24	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 31 A (0-4)	H236696-25	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 32 (0-1)	H236696-26	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 33 (1-2)	H236696-27	Soil	15-Dec-23 10:00	15-Dec-23 14:00

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706		Project: Project Number: Project Manager: Fax To:		Reported: 08-Jan-24 15:23
SW - 35 (6-7)	H236696-28	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 36 (7-8)	H236696-29	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 37 (7-8)	H236696-30	Soil	15-Dec-23 10:00	15-Dec-23 14:00
SW - 38 (3-7)	H236696-31	Soil	15-Dec-23 10:30	15-Dec-23 14:00

01/08/24 - Client requested sample ID changes to -13 and -15 (see COC). This is the revised report and will replace the one sent on 12/19/23.

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

CS - 1 A (8) H236696-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3121809	НМ	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	34.1		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 8 A (8) H236696-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3121809	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			79.5 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			88.6 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 9 A (8) H236696-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3121809	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			84.6 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celeg D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

08-Jan-24 15:23

Reported:

Project Manager: BECKY HASKELL

Fax To:

CS - 13 A (8) H236696-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3121809	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	19.7		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			75.2 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			84.4 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 14 A (8) H236696-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	15.1		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			79.5 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			86.8 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 17 A (7) H236696-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			81.1 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			87.7 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 21 A (2) H236696-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			78.2 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			84.5 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 22 A (2) H236696-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		112 %	71.5	i-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			78.0 %	48.2	?-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			86.6 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 30 A (9) H236696-09 (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	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			81.7 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			88.8 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

CS - 45 A (7) H236696-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		111 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			78.7 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			84.6 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 49 (1) H236696-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		114 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			73.8 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			80.0 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 50 (8) H236696-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		111 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	13.7		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			76.9 %	48.2-	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			82.4 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 52 (4') H236696-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1410		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			77.0 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			81.5 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

CS - 53 (7) H236696-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		118 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	401		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			79.4 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			86.1 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

SW - 10 A (3'-7') H236696-15 (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	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			77.0 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			81.6 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

SW - 11 A (3-8) H236696-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			73.7 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			77.9 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 12 A (0-2) H236696-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			72.4 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			76.1 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

7803

Fax To:

Reported: 08-Jan-24 15:23

SW - 14 A (1-8) H236696-18 (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	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	18.2		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			79.4 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			84.4 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 19 A (7-9) H236696-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			78.7 %	48.2	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 20 A (4-9) H236696-20 (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	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121516	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		112 %	71.5	-134	3121516	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctane			77.3 %	48.2-	-134	3121517	MS	18-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			81.6 %	49.1	-148	3121517	MS	18-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Project: GRAMA RIDGE Project Number: 237863 Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 24 A (4-7) H236696-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		117 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			94.9 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			92.1 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 28 (0-9) H236696-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	1310		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI.	D)		118 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			86.5 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			82.9 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 29 (7-9) H236696-23 (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	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			90.7 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			87.8 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 30 (6-9) H236696-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	432		16.0	mg/kg	4	3121810	AC	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		117 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	23.8		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			93.5 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			90.8 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

SW - 31 A (0-4) H236696-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	512		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		116 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			96.8 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			93.2 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Project: GRAMA RIDGE Project Number: 237863 Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 32 (0-1) H236696-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		117 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			87.4 %	48.2	-134	3121526	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			85.2 %	49.1	-148	3121526	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 33 (1-2) H236696-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	3121825	НМ	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		118 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			90.7 %	48.2	-134	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			98.7 %	49.1	-148	3121904	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 35 (6-7) H236696-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		118 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			86.7 %	48.2	-134	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			95.2 %	49.1	-148	3121904	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 36 (7-8) H236696-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)))		117 %	71.5	i-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	2-134	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	3121904	MS	19-Dec-23	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 37 (7-8) H236696-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		116 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			87.0 %	48.2	-134	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			95.5 %	49.1	-148	3121904	MS	19-Dec-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237863

Project Manager: BECKY HASKELL

Fax To:

Reported: 08-Jan-24 15:23

SW - 38 (3-7) H236696-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Labora	tories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	3121825	HM	18-Dec-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3121801	JH/	18-Dec-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		117 %	71.5	-134	3121801	JH/	18-Dec-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctane			94.3 %	48.2	-134	3121904	MS	19-Dec-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3121904	MS	19-Dec-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

BECKY HASKELL

Reported: 08-Jan-24 15:23

Inorganic Compounds - Quality Control

Fax To:

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3121809 - 1:4 DI Water	resuit	Liiiii			result	, sale	Zimto		Zimit	
Blank (3121809-BLK1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	ND	16.0	mg/kg	<u> </u>						
LCS (3121809-BS1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3121809-BSD1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
Batch 3121810 - 1:4 DI Water										
Blank (3121810-BLK1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	ND	16.0	mg/kg							
LCS (3121810-BS1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3121810-BSD1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 3121825 - 1:4 DI Water										
Blank (3121825-BLK1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	ND	16.0	mg/kg							
LCS (3121825-BS1)				Prepared &	& Analyzed:	18-Dec-23				
Chloride	432	16.0	mg/kg	400		108	80-120			

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 3121825 - 1:4 DI Water

LCS Dup (3121825-BSD1)				Prepared & Analyzed: 1	18-Dec-23			
Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20

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Celey D. Keene



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

RPD

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Spike

Source

		reporting		Spike	Bouree		/orch		1112	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3121516 - Volatiles										
Blank (3121516-BLK1)				Prepared: 1	15-Dec-23 A	Analyzed: 1	8-Dec-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)	0.0562		mg/kg	0.0500		112	71.5-134			
LCS (3121516-BS1)				Prepared: 1	15-Dec-23 A	Analyzed: 1	8-Dec-23			
Benzene	1.64	0.050	mg/kg	2.00		81.9	82.8-130			BS-3
Toluene	1.66	0.050	mg/kg	2.00		83.0	86-128			BS-3
Ethylbenzene	1.67	0.050	mg/kg	2.00		83.4	85.9-128			BS-3
m,p-Xylene	3.29	0.100	mg/kg	4.00		82.2	89-129			BS-3
o-Xylene	1.62	0.050	mg/kg	2.00		81.0	86.1-125			BS-3
Total Xylenes	4.91	0.150	mg/kg	6.00		81.8	88.2-128			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0536		mg/kg	0.0500		107	71.5-134			BS-3
LCS Dup (3121516-BSD1)				Prepared:	15-Dec-23 A	Analyzed: 1	8-Dec-23			
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130	20.9	15.8	QR-04
Toluene	2.03	0.050	mg/kg	2.00		101	86-128	20.0	15.9	QR-04
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	85.9-128	19.1	16	QR-04
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.9	89-129	19.4	16.2	QR-04
o-Xylene	1.96	0.050	mg/kg	2.00		98.2	86.1-125	19.2	16.7	QR-04
Total Xylenes	5.96	0.150	mg/kg	6.00		99.3	88.2-128	19.3	16.3	QR-04
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			
Batch 3121801 - Volatiles										
Blank (3121801-BLK1)				Prepared &	k Analyzed:	18-Dec-23	3			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							

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Total Xylenes

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mg/kg

0.150

ND

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

RPD

Fax To:

Reporting

0.0557

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

0.0500

Source

111

71.5-134

		reporting								
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3121801 - Volatiles										
Blank (3121801-BLK1)				Prepared &	Analyzed:	18-Dec-23	į.			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0583		mg/kg	0.0500		117	71.5-134			
LCS (3121801-BS1)				Prepared &	Analyzed:	18-Dec-23	l .			
Benzene	1.59	0.050	mg/kg	2.00		79.6	82.8-130			BS-3
Toluene	1.67	0.050	mg/kg	2.00		83.3	86-128			BS-3
Ethylbenzene	1.67	0.050	mg/kg	2.00		83.3	85.9-128			BS-3
m,p-Xylene	3.40	0.100	mg/kg	4.00		85.0	89-129			BS-3
o-Xylene	1.61	0.050	mg/kg	2.00		80.6	86.1-125			BS-3
Total Xylenes	5.01	0.150	mg/kg	6.00		83.6	88.2-128			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0559		mg/kg	0.0500		112	71.5-134			
LCS Dup (3121801-BSD1)				Prepared &	Analyzed:	18-Dec-23	;			
Benzene	1.93	0.050	mg/kg	2.00		96.6	82.8-130	19.3	15.8	QR-02
Toluene	2.00	0.050	mg/kg	2.00		100	86-128	18.4	15.9	QR-02
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	85.9-128	19.9	16	QR-02
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129	19.1	16.2	QR-02
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	21.6	16.7	QR-02
Total Xylenes	6.12	0.150	mg/kg	6.00		102	88.2-128	19.9	16.3	QR-02

mg/kg

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Surrogate: 4-Bromofluorobenzene (PID)



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
r mary c	Result	Limit	Omis	Level	Result	/UKEC	Lillius	KI D	Liiiit	110108
Batch 3121517 - General Prep - Organics										
Blank (3121517-BLK1)				Prepared:	15-Dec-23 A	Analyzed: 1	8-Dec-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	45.1		mg/kg	50.0		90.1	48.2-134			
Surrogate: 1-Chlorooctadecane	48.6		mg/kg	50.0		97.2	49.1-148			
LCS (3121517-BS1)				Prepared:	15-Dec-23 A	Analyzed: 1	8-Dec-23			
GRO C6-C10	218	10.0	mg/kg	200		109	66.4-123			
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118			
Total TPH C6-C28	421	10.0	mg/kg	400		105	77.6-123			
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	57.1		mg/kg	50.0		114	49.1-148			
LCS Dup (3121517-BSD1)				Prepared:	15-Dec-23 A	Analyzed: 1	8-Dec-23			
GRO C6-C10	210	10.0	mg/kg	200		105	66.4-123	3.86	17.7	
DRO >C10-C28	197	10.0	mg/kg	200		98.3	66.5-118	2.91	21	
Total TPH C6-C28	407	10.0	mg/kg	400		102	77.6-123	3.40	18.5	
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.8	48.2-134			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.8	49.1-148			
Batch 3121526 - General Prep - Organics										
Blank (3121526-BLK1)				Prepared:	15-Dec-23 A	\nalyzed: 1	19-Dec-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	51.0		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0		97.0	49.1-148			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237863
Project Manager: BECKY HASKELL

Reported: 08-Jan-24 15:23

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3121526 - General Prep - Organi	ics									
LCS (3121526-BS1)				Prepared: 1	15-Dec-23 A	Analyzed: 1	9-Dec-23			
GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123			
DRO >C10-C28	201	10.0	mg/kg	200		100	66.5-118			
Total TPH C6-C28	406	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		100	49.1-148			
LCS Dup (3121526-BSD1)				Prepared:	15-Dec-23 A	Analyzed: 1	9-Dec-23			
GRO C6-C10	213	10.0	mg/kg	200		106	66.4-123	3.37	17.7	
DRO >C10-C28	211	10.0	mg/kg	200		105	66.5-118	4.99	21	
Total TPH C6-C28	423	10.0	mg/kg	400		106	77.6-123	4.18	18.5	
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0		99.4	49.1-148			
Batch 3121904 - General Prep - Organi	cs									
Blank (3121904-BLK1)				Prepared &	ե Analyzed:	19-Dec-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	48.7		mg/kg	50.0		97.5	48.2-134			
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	49.1-148			
LCS (3121904-BS1)				Prepared &	k Analyzed:	19-Dec-23	<u>. </u>			
GRO C6-C10	164	10.0	mg/kg	200		81.9	66.4-123			
DRO >C10-C28	175	10.0	mg/kg	200		87.6	66.5-118			
Total TPH C6-C28	339	10.0	mg/kg	400		84.7	77.6-123			
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	48.2-134			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	49.1-148			

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%REC

Limits

49.1-148

RPD

Analytical Results For:

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

Analyte

Surrogate: 1-Chlorooctadecane

Project: GRAMA RIDGE
Project Number: 237863

Project Manager: BECKY HASKELL

Spike

Level

50.0

Source

Result

%REC

Fax To:

Reported: 08-Jan-24 15:23

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

53.3

Batch 3121904 - General Prep - Org	anics								
LCS Dup (3121904-BSD1)				Prepared & Ana	alyzed: 19-Dec-23	3			
GRO C6-C10	174	10.0	mg/kg	200	87.0	66.4-123	5.97	17.7	
DRO >C10-C28	181	10.0	mg/kg	200	90.4	66.5-118	3.22	21	
Total TPH C6-C28	355	10.0	mg/kg	400	88.7	77.6-123	4.56	18.5	
Surrogate: 1-Chlorooctane	52.3		mg/kg	50.0	105	48.2-134			

mg/kg

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Celey D. Keene



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	(575) 393-2476			
Company Name: NT (015		BILL TO	ANA	ANALYSIS REQUEST
Project Manager: Salu Haske		P.O. #:		
Address: 209 w milling	5	Company:		
Isbud	State: NM Zip: 88 Jao	Attn:		
#: 43/29248:056	Fax #:	Address:		
	Project Owner: Farthstan	City:		
a Ridge		State: Zip:		
		Phone #:		
16		Fax #:		
	MATRIX	PRESERV. SAME	SAMPLING	
H33690 Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	TPH Chlorides BTEX	
3) 61-60			2:01	
00				
CS-MACE)				
C5-17A(7)				
8 (3-224(2)				
6 (5-30A(5)				
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Relinquished By: Date: 1245	Receive	d By:	ult: ☐ Yes ☐ No are emailed. Please provid	Add'l Phone #: e Email address:
Relinquished By:	Date: Received By:		REMARKS:	
	Time:			70
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corre	Observed Temp. °CO/8 Sample Condition Cool Intact Corrected Temp. °C Tyes Yes	tion CHECKED BY: (Initials)	Turnaround Time: Standard Rush Thermometer ID #140 Correction Factor 0°C UChV.	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No No Corrected Temp. °C
	L NO L N	10 (13	١	ı

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: A see a se		
1076	BILL TO	ANALYSIS REQUEST
Project Manager: Palin Hable	P.O. #:	
Address: 209 W Mchy St	Company:	
City: (Slow) State: 1) M Zip: 88 Jac	Attn:	
Phone #: 43 29248056 Fax #:	Address:	
	City:	
Project Name: Gama Ridge	State: Zip:	
Project Location: Les Court +1	Phone #:	
Sampler Name: U (a C U M b) ()	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
RS TER	_) des
(G)RAB OR (C)# CONTAINED GROUNDWAY WASTEWATE SOIL OIL	SLUDGE DTHER: ACID/BASE: CE/COOL DTHER: DATE	Chlori BTE
×	15.82	
12 CS-S0 (8) ×		
14 (0.53(7)) 3:7		
(5-1) 401-40 pts		
12 SW-1219 (0-2)		
(8-1) UN - 13		
20 521-204 (4-4)		
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D.		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
Relinquished By: Date: Received By:	REMARKS:	* Customer reguese
Delivered By: (Circle One) Observed Temp. °C Duloc Sample Condition Cool Intact	CHECKED BY:	Standard Bacteria (only) Sa
Sampler - UPS - Bus - Other: Corrected Temp. °C	o DA	3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-2326 FAX (5/5) 393-24/6		wa		
Project Manager: 2011 (12.300)	P.O. #:	BILL 10	ANALYSIS REQUES	
Address: 209 W Milling St	Company:			
	State: NM Zip: 88 Jao Attn:			
Phone #: 43/29248056 Fax #:	Address:			
	Project Owner: Farthsland City:			
a Ridge		Zip:		
Project Location: La Control	Phone #:			
K .	Fax #:			
FOR LAB USE ONLY	MATRIX PRESERV	SAMPLING	\$	
Lab I.D. Sample I.D.	(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	BTEX	
~		(2-15 10:00		
33 SM-29 (2-9)		+		
06 SW-318 (0-4)				
(2-1) 25-73 (1-0)				
17.58-mS,				
30 S2-37 (7-8)				
**************************************	rany dam dising whether based in contract or tort, shall be limited to the ve determed waiwed unless made in writing and received by Cardinal within ing without limitation, business interruptions, loss of use, or loss of profits in Cardinal renarriations of whether such claim is heard unon more of the.	to the Birnount paid by the client for the within 30 days after completion of the applicable profits incurred by client, its subsidiaries,		
	3		Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By: Time:	Received By:	REMARKS:		
Delivered By: (Circle One) Observed Temp. °C O U	Sample Condition Cool Intact Yes Yes	(Initials) Thermometer ID #140 Correction Factor 0°C	Standard Bacteria (only) Sa Rush Cool Intact Yes Yes	Observed Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Laboratorie

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

200	333-2320 FAX (313) 333-2410					
2	•	BILL	7.10	ANA	ANALYSIS KEQUESI	8
Project Manager: Palin Hable	shel	P.O. #:				
Address: 209 W Mcl	nedry st	Company:				
city: Con Island	State: Um Zip: 88 Jao	Jao Attn:			_	
Phone #: 43/29248056	Fax #:	Address:			_	
Project #: 237 863	Project Owner: Farthstank	Slane City:			_	
Project Name: Gama Ridge		State:	Zip:			
Project Location: La Coulor +1	4	Phone #:				
Sampler Name: /// / / / / / / / / / / / / / / / / /	179	Fax #:			_	
FOR LAB USE ONLY	MP.	MATRIX PRESERV.	SAMPLING	28		
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	Chloride BTEX		
31 Sw-3		×	(5:0) S1-2)	XX		
LEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the rapplicable 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	nd client's exclusive remedy for any claim arising whe other cause whatsoever shall be deemed waived unit	ther based in contract or fort, shall be limited to	o the amount paid by the client for the thin 30 days after completion of the applic	able		
Relinquished By:	Date: 2-() Time: 7:00	Of whether such claim is based upon any of the	hove stated re-	Bons of otherwise. Yerbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: e Email address:	
Relinquished By:	Date: Received By:	By:	REMARKS:		x	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition CHECKED BY: Cool Intact (Initials) Pres Pres No No No	ED BY: Turnaround Time: als) Thermometer ID #140 Correction Factor 0°C	re: Standard Rush Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp Yes Yes No No Corrected Temp	Imple Condition Observed Temp. °C Corrected Temp. °C

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jeff Kindley NT Global 701 Tradewinds Blvd Midland, Texas 79706

Generated 1/3/2024 11:33:25 AM

JOB DESCRIPTION

Earthstone GRAMA RIDGE 34 STATE 3BS #005H Lea County NM

JOB NUMBER

890-5861-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 1/3/2024 11:33:25 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: NT Global Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H Laboratory Job ID: 890-5861-1 SDG: Lea County NM

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Definitions/Glossary

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

ounty NM

Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
POL Present Ougstitut

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: NT Global Job ID: 890-5861-1

Project: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

Job ID: 890-5861-1 Eurofins Carlsbad

Job Narrative 890-5861-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/29/2023 2:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-6A (0-8') (890-5861-1), SW-48 (0-8') (890-5861-2), SW-34 (7-8') (890-5861-3), SW-43 (0-10') (890-5861-4), SW-47 (0-10') (890-5861-5), SW-46 (6-10') (890-5861-6), CS-53A (10') (890-5861-7), SW-3A (4-6') (890-5861-8), SW-45 (0-6') (890-5861-9), CS-52A (6') (890-5861-10), SW-44 (0-6') (890-5861-11), SW-41 (2-3') (890-5861-12), SW-5A (8-10') (890-5861-13), SW-40 (3-9') (890-5861-14), SW-39 (0-7') (890-5861-15) and SW-42 (1-3') (890-5861-16).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-6A (0-8') (890-5861-1) and SW-3A (4-6') (890-5861-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70027 and analytical batch 880-70003 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample ID: SW-6A (0-8')

Date Collected: 12/29/23 10:00

Client: NT Global

Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

Lab Sample ID: 890-5861-1

Matrix: Solid

Job ID: 890-5861-1

SDG: Lea County NM

Date Received: 12/29/23 14:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/02/24 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/02/24 14:53	01/02/24 22:28	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/02/24 14:53	01/02/24 22:28	1
Method: TAL SOP Total BTEX - To	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/24 22:28	1
Method: SW846 8015 NM - Diese	el Range Organ	, , ,	•						
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (RL	MDL		<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte	el Range Organ	, , ,	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/02/24 20:42	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 681	Qualifier	RL 49.8	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result 681 sel Range Orga	Qualifier	RL 49.8			<u>D</u>	Prepared Prepared		1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result 681 sel Range Orga	Qualifier nics (DRO) Qualifier	RL 49.8		mg/Kg			01/02/24 20:42	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result 681 sel Range Orga Result	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC)		mg/Kg		Prepared	01/02/24 20:42 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result 681 sel Range Orga Result 	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 01/02/24 09:44	01/02/24 20:42 Analyzed 01/02/24 20:42	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 681 sel Range Orga Result <49.8	Qualifier nics (DRO) Qualifier U	RL 49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/02/24 09:44 01/02/24 09:44	01/02/24 20:42 Analyzed 01/02/24 20:42 01/02/24 20:42	1 Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	el Range Organ Result 681 sel Range Orga Result <49.8 49.8	Qualifier nics (DRO) Qualifier U F1	RL 49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44	01/02/24 20:42 Analyzed 01/02/24 20:42 01/02/24 20:42 01/02/24 20:42	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	el Range Organ Result 681 sel Range Orga Result <49.8 681 449.8 %Recovery 130	Qualifier nics (DRO) Qualifier U F1	RL 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared	Analyzed 01/02/24 20:42 01/02/24 20:42 01/02/24 20:42 01/02/24 20:42 Analyzed	Dil Face 1 1 1 Dil Face
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	el Range Organ Result 681 sel Range Orga Result <49.8 681 449.8 %Recovery 130 136	Qualifier nics (DRO) Qualifier U F1 U Qualifier S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	Analyzed 01/02/24 20:42 Analyzed 01/02/24 20:42 01/02/24 20:42 Analyzed 01/02/24 20:42	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ioranalyte	el Range Organ Result 681 sel Range Orga Result <49.8 681 <49.8 %Recovery 130 136 n Chromatograp	Qualifier nics (DRO) Qualifier U F1 U Qualifier S1+	RL 49.8 (GC) RL 49.8 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	Analyzed 01/02/24 20:42 Analyzed 01/02/24 20:42 01/02/24 20:42 Analyzed 01/02/24 20:42	Dil Fac

Client Sample ID: SW-48 (0-8') Lab Sample ID: 890-5861-2 Date Collected: 12/29/23 10:05

Date Received: 12/29/23 14:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/02/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/02/24 14:53	01/02/24 22:49	1
1,4-Difluorobenzene (Surr)	84		70 - 130				01/02/24 14:53	01/02/24 22:49	1

Eurofins Carlsbad

Matrix: Solid

Client Sample Results

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-48 (0-8')

Date Received: 12/29/23 14:25

Date Collected: 12/29/23 10:05

113

113

Lab Sample ID: 890-5861-2

01/02/24 21:47

01/02/24 21:47

01/02/24 09:44

01/02/24 09:44

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/02/24 22:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit Prepared Analyzed Dil Fac Analyte RLD **Total TPH** 128 50.1 01/02/24 21:47 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Dil Fac Analyte Prepared Analyzed <50.1 U 50.1 01/02/24 09:44 01/02/24 21:47 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.1 01/02/24 09:44 01/02/24 21:47 **Diesel Range Organics (Over** 128 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.1 U 50.1 mg/Kg 01/02/24 09:44 01/02/24 21:47 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 741 4.95 mg/Kg 01/02/24 18:17

70 - 130

70 - 130

Client Sample ID: SW-34 (7-8') Lab Sample ID: 890-5861-3 Date Collected: 12/29/23 10:10 **Matrix: Solid**

Date Received: 12/29/23 14:25

1-Chlorooctane

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/02/24 14:53	01/02/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				01/02/24 14:53	01/02/24 23:09	1
1,4-Difluorobenzene (Surr)	85		70 ₋ 130				01/02/24 14:53	01/02/24 23:09	1
Method: TAL SOP Total BTEX	- Total BTEX Cald			MDI	Unit	D			
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald	Qualifier	RL 0.00401	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/02/24 23:09	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401	Qualifier U	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00401 sel Range Organ	Qualifier U	RL 0.00401	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00401 sel Range Organ	Qualifier U	RL 0.00401		mg/Kg		Prepared	Analyzed 01/02/24 23:09	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 sel Range Organ Result 119	Qualifier U ics (DRO) (RL 0.00401 GC) RL 50.5		mg/Kg		Prepared	Analyzed 01/02/24 23:09 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 sel Range Organ Result 119 iesel Range Orga	Qualifier U ics (DRO) (RL 0.00401 GC) RL 50.5		mg/Kg Unit mg/Kg		Prepared	Analyzed 01/02/24 23:09 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	- Total BTEX Calc Result <0.00401 sel Range Organ Result 119 iesel Range Orga	Qualifier U ics (DRO) (Qualifier anics (DRO) Qualifier	RL 0.00401 GC) RL 50.5	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/02/24 23:09 Analyzed 01/02/24 22:09	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00401 sel Range Organ Result 119 iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier anics (DRO) Qualifier	RL 0.00401 GC) RL 50.5 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	Analyzed 01/02/24 23:09 Analyzed 01/02/24 22:09 Analyzed	

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Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-34 (7-8')

Lab Sample ID: 890-5861-3 Date Collected: 12/29/23 10:10 Matrix: Solid

Date Received: 12/29/23 14:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/02/24 09:44	01/02/24 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				01/02/24 09:44	01/02/24 22:09	1
o-Terphenyl	117		70 ₋ 130				01/02/24 09:44	01/02/24 22:09	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040	4.97	mg/Kg			01/02/24 18:22	1

Client Sample ID: SW-43 (0-10') Lab Sample ID: 890-5861-4 Date Collected: 12/29/23 10:15 **Matrix: Solid**

Date Received: 12/29/23 14:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/02/24 23:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/02/24 14:53	01/02/24 23:30	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/02/24 14:53	01/02/24 23:30	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/02/24 23:30	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Total TDU	4.470		50.1		malka				Dil Fac
Total TPH	1470		50.1		mg/Kg			01/02/24 22:31	1
Method: SW846 8015B NM - Die	sel Range Orga	,	(GC)					01/02/24 22:31	1
Method: SW846 8015B NM - Die Analyte	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	 	Prepared	01/02/24 22:31 Analyzed	1 Dil Fac
Method: SW846 8015B NM - Die	sel Range Orga	Qualifier	(GC)	MDL		<u>D</u>	Prepared 01/02/24 09:44	01/02/24 22:31	1
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>		01/02/24 22:31 Analyzed	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result <50.1	Qualifier U	(GC) RL 50.1	MDL	Unit mg/Kg	<u>D</u>	01/02/24 09:44	01/02/24 22:31 Analyzed 01/02/24 22:31	1 Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.1	Qualifier U	(GC) RL 50.1	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/02/24 09:44	01/02/24 22:31 Analyzed 01/02/24 22:31 01/02/24 22:31	1 Dil Fac 1 1
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.1 1470 <50.1	Qualifier U	(GC) RL 50.1 50.1	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/02/24 09:44 01/02/24 09:44 01/02/24 09:44	01/02/24 22:31 Analyzed 01/02/24 22:31 01/02/24 22:31 01/02/24 22:31	1 Dil Fac 1 1
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Sel Range Orga Result <50.1 1470 <50.1 %Recovery	Qualifier U	(GC) RL 50.1 50.1 50.1 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 <i>Prepared</i>	Analyzed 01/02/24 22:31 Analyzed 01/02/24 22:31 01/02/24 22:31 Analyzed	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <50.1	Qualifier U Qualifier	(GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	01/02/24 22:31 Analyzed 01/02/24 22:31 01/02/24 22:31 01/02/24 22:31 Analyzed 01/02/24 22:31	Dil Fac 1 1 1 Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Sel Range Orga Result	Qualifier U Qualifier	(GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	01/02/24 22:31 Analyzed 01/02/24 22:31 01/02/24 22:31 01/02/24 22:31 Analyzed 01/02/24 22:31	1 Dil Fac 1 Dil Fac 1

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-47 (0-10')

Lab Sample ID: 890-5861-5 Date Collected: 12/29/23 10:20

Matrix: Solid

	ile Organic Comp					_			
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/02/24 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				01/02/24 14:53	01/02/24 23:50	1
1,4-Difluorobenzene (Surr)	87		70 - 130				01/02/24 14:53	01/02/24 23:50	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/02/24 23:50	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.3		50.2		mg/Kg			01/02/24 22:53	1
Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		01/02/24 09:44	01/02/24 22:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.2	U	50.2		mg/Kg		01/02/24 09:44	01/02/24 22:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	68.3		50.2		mg/Kg		01/02/24 09:44	01/02/24 22:53	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/02/24 09:44	01/02/24 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/02/24 09:44	01/02/24 22:53	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	273		5.01		mg/Kg			01/02/24 18:42	1

70 - 130

112

Client Sample ID: SW-46 (6-10') Lab Sample ID: 890-5861-6

Date Collected: 12/29/23 10:25 Date Received: 12/29/23 14:25

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/02/24 14:53	01/03/24 00:11	1
1.4-Difluorobenzene (Surr)	92		70 - 130				01/02/24 14:53	01/03/24 00:11	1

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Matrix: Solid

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-46 (6-10')

Date Collected: 12/29/23 10:25 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/24 00:11	1
Method: SW846 8015 NM -	Diesel Range Organ	ics (DRO) (G	iC)						
Method: SW846 8015 NM - Analyte	• •	ics (DRO) (G Qualifier	C)	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		01/02/24 09:44	01/02/24 23:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	1960		50.5		mg/Kg		01/02/24 09:44	01/02/24 23:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/02/24 09:44	01/02/24 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate		Quanner						Allalyzeu	Dirrac
1-Chlorooctane	118		70 ₋ 130				01/02/24 09:44	01/02/24 23:15	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		5.02		mg/Kg			01/02/24 18:48	1

70 - 130

122

Client Sample ID: CS-53A (10') Lab Sample ID: 890-5861-7 Date Collected: 12/29/23 10:30 **Matrix: Solid**

Date Received: 12/29/23 14:25

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 00:32	
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 00:32	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 00:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/03/24 00:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 00:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/03/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/02/24 14:53	01/03/24 00:32	
			70 - 130				01/02/24 14:53	01/03/24 00:32	
Method: TAL SOP Total BTEX - Analyte	Total BTEX Cald	Qualifier	70 - 130 RL 0.00399	MDL	Unit mg/Kg	<u>D</u>	01/02/24 14:53 Prepared	01/03/24 00:32 Analyzed 01/03/24 00:32	
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies	Total BTEX Calc Result < 0.00399 sel Range Organ	Qualifier U	RL 0.00399		mg/Kg	=	Prepared	Analyzed 01/03/24 00:32	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00399 sel Range Organ Result	Qualifier U	RL 0.00399	MDL MDL	mg/Kg	<u>D</u>		Analyzed 01/03/24 00:32 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result < 0.00399 sel Range Organ	Qualifier U	RL 0.00399		mg/Kg	=	Prepared	Analyzed 01/03/24 00:32	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00399 sel Range Organ Result 111	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 50.2		mg/Kg	=	Prepared	Analyzed 01/03/24 00:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00399 sel Range Organ Result 111 essel Range Orga	Qualifier U ics (DRO) (Qualifier	RL 0.00399 GC) RL 50.2		mg/Kg Unit mg/Kg	=	Prepared	Analyzed 01/03/24 00:32 Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00399 sel Range Organ Result 111 essel Range Orga	Qualifier U ics (DRO) (Qualifier nics (DRO) Qualifier	RL 0.00399 GC) RL 50.2	MDL	mg/Kg Unit mg/Kg		Prepared Prepared	Analyzed 01/03/24 00:32 Analyzed 01/02/24 23:36	Dil Fac

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: CS-53A (10')

Date Collected: 12/29/23 10:30 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-7

Matrix: Solid

Method: SW846 8015B I	NM - Diesel Range Orga	nics (DRC)) (GC) (Continued)	
Analyte	Result	Qualifier	RL	ı

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		01/02/24 09:44	01/02/24 23:36	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	1-Chlorooctane	122		70 - 130				01/02/24 09:44	01/02/24 23:36	1
Į	o-Terphenyl	126		70 - 130				01/02/24 09:44	01/02/24 23:36	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		5.05		mg/Kg			01/02/24 18:53	1

Client Sample ID: SW-3A (4-6')

Date Collected: 12/29/23 10:35 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-8

Matrix: Solid

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
o-Xylene	0.00322		0.00201		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/03/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/02/24 14:53	01/03/24 00:52	1
1,4-Difluorobenzene (Surr)	87		70 - 130				01/02/24 14:53	01/03/24 00:52	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/03/24 00:52	1

– Method: SW846 8015 NM - Diesel F	Range Organics (DRO) (GC	;)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4 U	50.4	mg/Kg			01/02/24 23:58	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		01/02/24 09:44	01/02/24 23:58	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		01/02/24 09:44	01/02/24 23:58	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/02/24 09:44	01/02/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				01/02/24 09:44	01/02/24 23:58	1
o-Terphenvl	145	S1+	70 - 130				01/02/24 09:44	01/02/24 23:58	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231	4.99	mg/l			01/02/24 18:58	1

Client: NT Global Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H Job ID: 890-5861-1

SDG: Lea County NM

Client Sample ID: SW-45 (0-6')

Date Collected: 12/29/23 10:40 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/02/24 14:53	01/03/24 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/02/24 14:53	01/03/24 01:13	1
1,4-Difluorobenzene (Surr)	76		70 - 130				01/02/24 14:53	01/03/24 01:13	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401		mg/Kg			01/03/24 01:13	1
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
								Allalyzeu	Dil Fac
Total TPH	152		50.1		mg/Kg			01/03/24 00:20	
- -		nics (DRO)			mg/Kg				
- -	sel Range Orga	nics (DRO) Qualifier		MDL		D	Prepared		1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	Qualifier	(GC)	MDL		<u>D</u>	<u> </u>	01/03/24 00:20	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>	Prepared	01/03/24 00:20 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <50.1	Qualifier U	(GC) RL 50.1	MDL	Unit mg/Kg	<u>D</u>	Prepared 01/02/24 09:44	01/03/24 00:20 Analyzed 01/03/24 00:20	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <50.1	Qualifier U	(GC) RL 50.1	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 01/02/24 09:44 01/02/24 09:44	01/03/24 00:20 Analyzed 01/03/24 00:20 01/03/24 00:20	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <50.1 152 <50.1	Qualifier U	(GC) RL 50.1 50.1	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44	01/03/24 00:20 Analyzed 01/03/24 00:20 01/03/24 00:20 01/03/24 00:20	Dil Face 1 1 1 Dil Face
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Sel Range Orga Result <50.1 152 <50.1 %Recovery	Qualifier U	(GC) RL 50.1 50.1 50.1 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared	Analyzed 01/03/24 00:20 Analyzed 01/03/24 00:20 01/03/24 00:20 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <50.1	Qualifier U Qualifier	(GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	01/03/24 00:20 Analyzed 01/03/24 00:20 01/03/24 00:20 01/03/24 00:20 Analyzed 01/03/24 00:20	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Sel Range Orga Result	Qualifier U Qualifier	(GC) RL 50.1 50.1 50.1 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg	D_	Prepared 01/02/24 09:44 01/02/24 09:44 01/02/24 09:44 Prepared 01/02/24 09:44	01/03/24 00:20 Analyzed 01/03/24 00:20 01/03/24 00:20 01/03/24 00:20 Analyzed 01/03/24 00:20	Dil Fac

Client Sample ID: CS-52A (6') Lab Sample ID: 890-5861-10 Date Collected: 12/29/23 10:45 **Matrix: Solid**

Date Received: 12/29/23 14:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				01/02/24 14:53	01/03/24 01:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130				01/02/24 14:53	01/03/24 01:33	1

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: CS-52A (6')

Date Collected: 12/29/23 10:45

Date Received: 12/29/23 14:25

Lab Sample ID: 890-5861-10

01/03/24 00:42

01/02/24 09:44

Matrix: Solid

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/03/24 01:33	1
_									

 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total TPH
 <50.0</td>
 U
 50.0
 mg/Kg
 01/03/24 00:42
 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Dil Fac Analyte D Prepared Analyzed <50.0 U 50.0 01/02/24 09:44 01/03/24 00:42 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.0 01/02/24 09:44 01/03/24 00:42 Diesel Range Organics (Over <50.0 U mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 01/02/24 09:44 01/03/24 00:42 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 1-Chlorooctane 102 01/02/24 09:44 01/03/24 00:42

 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result Chloride
 Qualifier
 RL St.
 MDL Unit mg/Kg
 D Prepared Pr

70 - 130

110

Client Sample ID: SW-44 (0-6')

Date Collected: 12/29/23 10:50

Lab Sample ID: 890-5861-11

Matrix: Solid

Date Received: 12/29/23 14:25

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/02/24 14:53	01/03/24 02:57	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	79 - Total BTEX Cald	culation	70 - 130				01/02/24 14:53	01/03/24 02:57	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	01/02/24 14:53 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	Qualifier U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <	Qualifier U	RL 0.00398		mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00398 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00398			<u>D</u>		Analyzed 01/03/24 02:57 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Cald Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 01/03/24 02:57	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9		mg/Kg		Prepared	Analyzed 01/03/24 02:57 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	RL 0.00398 GC) RL 49.9	MDL	mg/Kg		Prepared	Analyzed 01/03/24 02:57 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/03/24 02:57 Analyzed 01/03/24 01:25	Dil Fac Dil Fac

Client: NT Global

Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

Job ID: 890-5861-1

SDG: Lea County NM

Client Sample ID: SW-44 (0-6')

Date Collected: 12/29/23 10:50 Date Received: 12/29/23 14:25

Lab Sample ID: 890-5861-11

Matrix: Solid

ı	Analyte	Result	Qualifier	RL	MDL	Unit	ט	Prepared	Anaiyzed	DII Fac
	Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/02/24 09:44	01/03/24 01:25	1
	Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	1-Chlorooctane	108		70 - 130				01/02/24 09:44	01/03/24 01:25	1
	o-Terphenyl	119		70 - 130				01/02/24 09:44	01/03/24 01:25	1

Method: EPA 300.0 - Anions,	Ion Chromatography - Soluble
A 14 -	DII OIII

RL MDL Unit D Analyzed Dil Fac Prepared Analyte 99.8 01/02/24 19:24 20 11400 Chloride mg/Kg

Client Sample ID: SW-41 (2-3')

Date Collected: 12/29/23 10:55 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-12

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Welliou. Swo46 6021B - Volat	ne Organic Comp	ounus (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/02/24 14:53	01/03/24 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				01/02/24 14:53	01/03/24 03:17	1
1,4-Difluorobenzene (Surr)	80		70 - 130				01/02/24 14:53	01/03/24 03:17	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398		ma/Ka			01/03/24 03:17	1

Method: SW846 8015 NM -	Diesel Range	Organics (DF	२O) (GC)
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Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	125	49.7	mg/Kg			01/03/24 01:47	1

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<49.7	U	49.7		mg/Kg		01/02/24 09:44	01/03/24 01:47	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	125		49.7		mg/Kg		01/02/24 09:44	01/03/24 01:47	1
	C10-C28)									
	OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/02/24 09:44	01/03/24 01:47	1
١										

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114	70 - 130	01/02/24 09:44	01/03/24 01:47	1
o-Terphenyl	124	70 - 130	01/02/24 09:44	01/03/24 01:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	867		24.9		mg/Kg			01/02/24 19:29	5

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1/3/2024

Client: NT Global

Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-5A (8-10')

Date Collected: 12/29/23 11:05 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/02/24 14:53	01/03/24 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				01/02/24 14:53	01/03/24 03:38	
1,4-Difluorobenzene (Surr)	101		70 - 130				01/02/24 14:53	01/03/24 03:38	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	11	0.00399		mg/Kg			01/03/24 03:38	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 49.8 01/03/24 02:09 **Total TPH** 1800 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 01/02/24 09:44 01/03/24 02:09 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 1800 49.8 mg/Kg 01/02/24 09:44 01/03/24 02:09 C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 01/02/24 09:44 01/03/24 02:09 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 109 70 - 130 01/02/24 09:44 01/03/24 02:09 115 70 - 130 01/02/24 09:44 01/03/24 02:09

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 144 4.95 01/02/24 19:45 mg/Kg

Client Sample ID: SW-40 (3-9') Lab Sample ID: 890-5861-14

Date Collected: 12/29/23 11:10 Date Received: 12/29/23 14:25

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
Toluene	0.00371		0.00201		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
o-Xylene	0.0163		0.00201		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
Xylenes, Total	0.0163		0.00402		mg/Kg		01/02/24 14:53	01/03/24 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				01/02/24 14:53	01/03/24 03:59	1
1.4-Difluorobenzene (Surr)	91		70 - 130				01/02/24 14:53	01/03/24 03:59	1

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Matrix: Solid

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-40 (3-9')

Date Collected: 12/29/23 11:10 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-14

Analyzed

01/02/24 19:50

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0200		0.00402		mg/Kg			01/03/24 03:59	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/03/24 02:31	1
Method: SW846 8015B NM - Dies Analyte	•	nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1		50.1		mg/Kg	=	01/02/24 09:44	01/03/24 02:31	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/02/24 09:44	01/03/24 02:31	1
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/02/24 09:44	01/03/24 02:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				01/02/24 09:44	01/03/24 02:31	1
o-Terphenyl	116		70 - 130				01/02/24 09:44	01/03/24 02:31	1

Client Sample ID: SW-39 (0-7') Lab Sample ID: 890-5861-15

RL

25.0

MDL Unit

mg/Kg

D

Prepared

Date Collected: 12/29/23 11:15 Date Received: 12/29/23 14:25

Analyte

Chloride

Result Qualifier

3730

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/02/24 14:53	01/03/24 04:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/02/24 14:53	01/03/24 04:19	1
1,4-Difluorobenzene (Surr)	83		70 - 130				01/02/24 14:53	01/03/24 04:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00402	U	0.00402		mg/Kg			01/03/24 04:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	92.9		50.5		mg/Kg			01/03/24 02:53	1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/02/24 09:44	01/03/24 02:53	1
Diesel Range Organics (Over C10-C28)	92.9		50.5		mg/Kg		01/02/24 09:44	01/03/24 02:53	1

Eurofins Carlsbad

Dil Fac

Matrix: Solid

Client: NT Global

Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

Job ID: 890-5861-1 SDG: Lea County NM

Client Sample ID: SW-39 (0-7')

Date Collected: 12/29/23 11:15 Date Received: 12/29/23 14:25

Lab Sample ID: 890-5861-15

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/02/24 09:44	01/03/24 02:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				01/02/24 09:44	01/03/24 02:53	1
o-Terphenvl	114		70 - 130				01/02/24 09:44	01/03/24 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3140		24.9		mg/Kg			01/02/24 19:55	5

Client Sample ID: SW-42 (1-3')

Date Collected: 12/29/23 11:00 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-16

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 01/02/24 14:53 01/03/24 04:40 mg/Kg Toluene <0.00199 U 0.00199 01/02/24 14:53 01/03/24 04:40 mg/Kg Ethylbenzene <0.00199 U 0.00199 mg/Kg 01/02/24 14:53 01/03/24 04:40 m-Xylene & p-Xylene mg/Kg 01/02/24 14:53 01/03/24 04:40 <0.00398 U 0.00398 o-Xylene <0.00199 U 0.00199 mg/Kg 01/02/24 14:53 01/03/24 04:40 Xylenes, Total <0.00398 U 0.00398 mg/Kg 01/02/24 14:53 01/03/24 04:40 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 01/02/24 14:53 01/03/24 04:40 4-Bromofluorobenzene (Surr) 113 1,4-Difluorobenzene (Surr) 80 70 - 130 01/02/24 14:53 01/03/24 04:40

Method: TAL SOP Total BTEX - Tot	tal BTEX Calcu	ulation							
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	 U	0.00398		mg/Kg			01/03/24 04:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.3	U	50.3		mg/Kg			01/03/24 03:15	1

Method: SW846 8015B NM - Dies Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		01/02/24 09:44	01/03/24 03:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.3	U	50.3		mg/Kg		01/02/24 09:44	01/03/24 03:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/02/24 09:44	01/03/24 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109	·	70 - 130				01/02/24 09:44	01/03/24 03:15	1
o-Terphenyl	117		70 - 130				01/02/24 09:44	01/03/24 03:15	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	341		5.01		mg/Kg			01/02/24 20:00	1

Surrogate Summary

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5861-1	SW-6A (0-8')	96	90	
890-5861-1 MS	SW-6A (0-8')	109	95	
890-5861-1 MSD	SW-6A (0-8')	112	103	
890-5861-2	SW-48 (0-8')	92	84	
890-5861-3	SW-34 (7-8')	97	85	
890-5861-4	SW-43 (0-10')	114	90	
890-5861-5	SW-47 (0-10')	98	87	
890-5861-6	SW-46 (6-10')	108	92	
890-5861-7	CS-53A (10')	100	84	
890-5861-8	SW-3A (4-6')	100	87	
890-5861-9	SW-45 (0-6')	107	76	
890-5861-10	CS-52A (6')	94	82	
890-5861-11	SW-44 (0-6')	107	79	
890-5861-12	SW-41 (2-3')	110	80	
890-5861-13	SW-5A (8-10')	119	101	
890-5861-14	SW-40 (3-9')	103	91	
890-5861-15	SW-39 (0-7')	91	83	
890-5861-16	SW-42 (1-3')	113	80	
LCS 880-70058/1-A	Lab Control Sample	118	102	
LCSD 880-70058/2-A	Lab Control Sample Dup	104	97	
MB 880-69922/5-A	Method Blank	91	84	
MB 880-70058/5-A	Method Blank	86	83	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5861-1	SW-6A (0-8')	130	136 S1+	
890-5861-1 MS	SW-6A (0-8')	128	125	
890-5861-1 MSD	SW-6A (0-8')	117	113	
890-5861-2	SW-48 (0-8')	113	113	
890-5861-3	SW-34 (7-8')	110	117	
890-5861-4	SW-43 (0-10')	119	124	
890-5861-5	SW-47 (0-10')	105	112	
890-5861-6	SW-46 (6-10')	118	122	
890-5861-7	CS-53A (10')	122	126	
890-5861-8	SW-3A (4-6')	138 S1+	145 S1+	
890-5861-9	SW-45 (0-6')	103	112	
890-5861-10	CS-52A (6')	102	110	
890-5861-11	SW-44 (0-6')	108	119	
890-5861-12	SW-41 (2-3')	114	124	
890-5861-13	SW-5A (8-10')	109	115	
890-5861-14	SW-40 (3-9')	108	116	
890-5861-15	SW-39 (0-7')	104	114	

Surrogate Summary

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5861-16	SW-42 (1-3')	109	117	
LCS 880-70027/2-A	Lab Control Sample	99	120	
LCSD 880-70027/3-A	Lab Control Sample Dup	105	126	
MB 880-70027/1-A	Method Blank	95	113	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-69922/5-A

Matrix: Solid Analysis Batch: 70013 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69922

M			MB														
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac							
	Benzene	<0.00200	U	0.00200		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							
	Toluene	<0.00200	U	0.00200		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							
	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							
	o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							
	Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		12/28/23 15:49	01/02/24 11:29	1							

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	12/28/23 15:4	9 01/02/24 11:29	1
1,4-Difluorobenzene (Surr)	84		70 - 130	12/28/23 15:4	9 01/02/24 11:29	1

Lab Sample ID: MB 880-70058/5-A

Matrix: Solid

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 70058

nalysis	s Batch:	70013		

	III.D	11.10							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/02/24 14:53	01/02/24 22:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/02/24 14:53	01/02/24 22:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/02/24 14:53	01/02/24 22:07	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/02/24 14:53	01/02/24 22:07	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/02/24 14:53	01/02/24 22:07	1

Lab Sample ID: LCS 880-70058/1-A

Matrix: Solid

Analysis Batch: 70013

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 70058

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09477		mg/Kg		95	70 - 130	
Toluene	0.100	0.08769		mg/Kg		88	70 - 130	
Ethylbenzene	0.100	0.09614		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	0.200	0.1989		mg/Kg		99	70 - 130	
o-Xylene	0.100	0.1156		mg/Kg		116	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	118	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-70058/2-A

Matrix: Solid

Analysis Batch: 70013

Client Sample ID: Lab	Control Sample Dup

Prep Type: Total/NA

Prep Batch: 70058

	Spike	LCSD LCSD				%Rec		RPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08774	mg/Kg		88	70 - 130	8	35	

QC Sample Results

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-70058/2-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 70013

Prep Type: Total/NA

Prep Batch: 70058

Spike LCSD LCSD %Rec RPD

	KFD
Limits RPD	Limit
70 - 130 5	35
70 - 130 1	35
70 - 130 4	35
70 - 130 18	35
	70 - 130 5 70 - 130 1 70 - 130 4

 Surrogate
 %Recovery 4-Bromofluorobenzene (Surr)
 104
 Limits 70 - 130

 1,4-Diffuorobenzene (Surr)
 97
 70 - 130

Lab Sample ID: 890-5861-1 MS Client Sample ID: SW-6A (0-8')

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 70013 Prep Batch: 70058

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.08370		mg/Kg		84	70 - 130	
Toluene	<0.00199	U	0.0996	0.07654		mg/Kg		76	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.07977		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1587		mg/Kg		80	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.08022		mg/Kg		80	70 - 130	

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 109
 70 - 130

 1,4-Difluorobenzene (Surr)
 95
 70 - 130

Lab Sample ID: 890-5861-1 MSD Client Sample ID: SW-6A (0-8')

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 70013 Prep Batch: 70058

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.0990	0.08536		mg/Kg		86	70 - 130	2	35
Toluene	<0.00199	U	0.0990	0.07556		mg/Kg		76	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.0990	0.07824		mg/Kg		79	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1561		mg/Kg		79	70 - 130	2	35
o-Xylene	<0.00199	U	0.0990	0.07770		mg/Kg		78	70 - 130	3	35

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 112
 70 - 130

 1,4-Difluorobenzene (Surr)
 103
 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-70027/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 70003 Prep Batch: 70027

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 01/02/24 09:44 01/02/24 19:32 1 (GRO)-C6-C10

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-70027/1-A

Lab Sample ID: LCS 880-70027/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 70003

Analysis Batch: 70003

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 70027

ı									
	Analyte	Result	Qualifier	RL	MDL Uni	it D	Prepared	Analyzed	Dil Fac
	Diesel Range Organics (Over	<50.0	U	50.0	mg	/Kg	01/02/24 09:44	01/02/24 19:32	1
	C10-C28)	50.0		50.0			04/00/04 00 44	0.1.10.0.10.1.10.0.0	
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg	/Kg	01/02/24 09:44	01/02/24 19:32	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	01/02/24 09:44	01/02/24 19:32	1
o-Terphenyl	113		70 - 130	01/02/24 09:44	01/02/24 19:32	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 70027

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1060 106 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 935.5 70 - 130 mg/Kg 94 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-70027/3-A

Matrix: Solid Analysis Batch: 70003 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 70027

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1090		mg/Kg		109	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	974.9		mg/Kg		97	70 - 130	4	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 105 70 - 130 o-Terphenyl 126 70 - 130

Lab Sample ID: 890-5861-1 MS

Matrix: Solid

Analysis Batch: 70003

Client Sample ID: SW-6A (0-8')

Prep Type: Total/NA

Prep Batch: 70027

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	992	1312		mg/Kg		128	70 - 130
Diesel Range Organics (Over	681	F1	992	1359	F1	mg/Kg		68	70 - 130

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	125		70 - 130

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

SDG: Lea County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

MB MB

Lab Sample ID: 890-5861-1 MSD Client Sample ID: SW-6A (0-8') **Matrix: Solid**

Prep Type: Total/NA **Analysis Batch: 70003** Prep Batch: 70027

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	992	1272		mg/Kg		124	70 - 130	3	20
Diesel Range Organics (Over	681	F1	992	1220	F1	mg/Kg		54	70 - 130	11	20

C10-C28)

MSD MSD Qualifier Limits Surrogate %Recovery 70 - 130 1-Chlorooctane 117 o-Terphenyl 113 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70030/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 70035

Result Qualifier RL MDL Analyte Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 01/02/24 17:41 mg/Kg

Lab Sample ID: LCS 880-70030/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 70035

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 200 209.6 105 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-70030/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 70035

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec RPD Limits Limit Chloride 200 208.2 104 90 - 110 mg/Kg

Lab Sample ID: 890-5861-10 MS Client Sample ID: CS-52A (6')

Matrix: Solid

Analysis Batch: 70035

Sample Sample Spike MS MS %Rec Result Qualifier Added Qualifier Analyte Result Unit %Rec Limits Chloride 251 100 90 - 110 161 411.5 mg/Kg

Lab Sample ID: 890-5861-10 MSD Client Sample ID: CS-52A (6')

Matrix: Solid

Analysis Batch: 70035

Sample Sample Spike MSD MSD %Rec RPD Qualifier Added Analyte Result Result Qualifier %Rec Limits RPD Limit Unit D 251 409.3 Chloride 90 - 110 161 mg/Kg

Eurofins Carlsbad

Prep Type: Soluble

Prep Type: Soluble

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

GC VOA

Prep Batch: 69922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-69922/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 70013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	8021B	70058
890-5861-2	SW-48 (0-8')	Total/NA	Solid	8021B	70058
890-5861-3	SW-34 (7-8')	Total/NA	Solid	8021B	70058
890-5861-4	SW-43 (0-10')	Total/NA	Solid	8021B	70058
890-5861-5	SW-47 (0-10')	Total/NA	Solid	8021B	70058
890-5861-6	SW-46 (6-10')	Total/NA	Solid	8021B	70058
890-5861-7	CS-53A (10')	Total/NA	Solid	8021B	70058
890-5861-8	SW-3A (4-6')	Total/NA	Solid	8021B	70058
890-5861-9	SW-45 (0-6')	Total/NA	Solid	8021B	70058
890-5861-10	CS-52A (6')	Total/NA	Solid	8021B	70058
890-5861-11	SW-44 (0-6')	Total/NA	Solid	8021B	70058
890-5861-12	SW-41 (2-3')	Total/NA	Solid	8021B	70058
890-5861-13	SW-5A (8-10')	Total/NA	Solid	8021B	70058
890-5861-14	SW-40 (3-9')	Total/NA	Solid	8021B	70058
890-5861-15	SW-39 (0-7')	Total/NA	Solid	8021B	70058
890-5861-16	SW-42 (1-3')	Total/NA	Solid	8021B	70058
MB 880-69922/5-A	Method Blank	Total/NA	Solid	8021B	69922
MB 880-70058/5-A	Method Blank	Total/NA	Solid	8021B	70058
LCS 880-70058/1-A	Lab Control Sample	Total/NA	Solid	8021B	70058
LCSD 880-70058/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70058
890-5861-1 MS	SW-6A (0-8')	Total/NA	Solid	8021B	70058
890-5861-1 MSD	SW-6A (0-8')	Total/NA	Solid	8021B	70058

Prep Batch: 70058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	5035	
890-5861-2	SW-48 (0-8')	Total/NA	Solid	5035	
890-5861-3	SW-34 (7-8')	Total/NA	Solid	5035	
890-5861-4	SW-43 (0-10')	Total/NA	Solid	5035	
890-5861-5	SW-47 (0-10')	Total/NA	Solid	5035	
890-5861-6	SW-46 (6-10')	Total/NA	Solid	5035	
890-5861-7	CS-53A (10')	Total/NA	Solid	5035	
890-5861-8	SW-3A (4-6')	Total/NA	Solid	5035	
890-5861-9	SW-45 (0-6')	Total/NA	Solid	5035	
890-5861-10	CS-52A (6')	Total/NA	Solid	5035	
890-5861-11	SW-44 (0-6')	Total/NA	Solid	5035	
390-5861-12	SW-41 (2-3')	Total/NA	Solid	5035	
890-5861-13	SW-5A (8-10')	Total/NA	Solid	5035	
390-5861-14	SW-40 (3-9')	Total/NA	Solid	5035	
390-5861-15	SW-39 (0-7')	Total/NA	Solid	5035	
390-5861-16	SW-42 (1-3')	Total/NA	Solid	5035	
MB 880-70058/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70058/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70058/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
390-5861-1 MS	SW-6A (0-8')	Total/NA	Solid	5035	
890-5861-1 MSD	SW-6A (0-8')	Total/NA	Solid	5035	

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Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

GC VOA

Analysis Batch: 70124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	Total BTEX	
890-5861-2	SW-48 (0-8')	Total/NA	Solid	Total BTEX	
890-5861-3	SW-34 (7-8')	Total/NA	Solid	Total BTEX	
890-5861-4	SW-43 (0-10')	Total/NA	Solid	Total BTEX	
890-5861-5	SW-47 (0-10')	Total/NA	Solid	Total BTEX	
890-5861-6	SW-46 (6-10')	Total/NA	Solid	Total BTEX	
890-5861-7	CS-53A (10')	Total/NA	Solid	Total BTEX	
890-5861-8	SW-3A (4-6')	Total/NA	Solid	Total BTEX	
890-5861-9	SW-45 (0-6')	Total/NA	Solid	Total BTEX	
890-5861-10	CS-52A (6')	Total/NA	Solid	Total BTEX	
890-5861-11	SW-44 (0-6')	Total/NA	Solid	Total BTEX	
890-5861-12	SW-41 (2-3')	Total/NA	Solid	Total BTEX	
890-5861-13	SW-5A (8-10')	Total/NA	Solid	Total BTEX	
890-5861-14	SW-40 (3-9')	Total/NA	Solid	Total BTEX	
890-5861-15	SW-39 (0-7')	Total/NA	Solid	Total BTEX	
890-5861-16	SW-42 (1-3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 70003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	8015B NM	70027
890-5861-2	SW-48 (0-8')	Total/NA	Solid	8015B NM	70027
890-5861-3	SW-34 (7-8')	Total/NA	Solid	8015B NM	70027
890-5861-4	SW-43 (0-10')	Total/NA	Solid	8015B NM	70027
890-5861-5	SW-47 (0-10')	Total/NA	Solid	8015B NM	70027
890-5861-6	SW-46 (6-10')	Total/NA	Solid	8015B NM	70027
890-5861-7	CS-53A (10')	Total/NA	Solid	8015B NM	70027
890-5861-8	SW-3A (4-6')	Total/NA	Solid	8015B NM	70027
890-5861-9	SW-45 (0-6')	Total/NA	Solid	8015B NM	70027
890-5861-10	CS-52A (6')	Total/NA	Solid	8015B NM	70027
890-5861-11	SW-44 (0-6')	Total/NA	Solid	8015B NM	70027
890-5861-12	SW-41 (2-3')	Total/NA	Solid	8015B NM	70027
890-5861-13	SW-5A (8-10')	Total/NA	Solid	8015B NM	70027
890-5861-14	SW-40 (3-9')	Total/NA	Solid	8015B NM	70027
890-5861-15	SW-39 (0-7')	Total/NA	Solid	8015B NM	70027
890-5861-16	SW-42 (1-3')	Total/NA	Solid	8015B NM	70027
MB 880-70027/1-A	Method Blank	Total/NA	Solid	8015B NM	70027
LCS 880-70027/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70027
LCSD 880-70027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70027
390-5861-1 MS	SW-6A (0-8')	Total/NA	Solid	8015B NM	70027
890-5861-1 MSD	SW-6A (0-8')	Total/NA	Solid	8015B NM	70027

Prep Batch: 70027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	8015NM Prep	
890-5861-2	SW-48 (0-8')	Total/NA	Solid	8015NM Prep	
890-5861-3	SW-34 (7-8')	Total/NA	Solid	8015NM Prep	
890-5861-4	SW-43 (0-10')	Total/NA	Solid	8015NM Prep	
890-5861-5	SW-47 (0-10')	Total/NA	Solid	8015NM Prep	
890-5861-6	SW-46 (6-10')	Total/NA	Solid	8015NM Prep	

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Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 70027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-7	CS-53A (10')	Total/NA	Solid	8015NM Prep	
890-5861-8	SW-3A (4-6')	Total/NA	Solid	8015NM Prep	
890-5861-9	SW-45 (0-6')	Total/NA	Solid	8015NM Prep	
890-5861-10	CS-52A (6')	Total/NA	Solid	8015NM Prep	
890-5861-11	SW-44 (0-6')	Total/NA	Solid	8015NM Prep	
890-5861-12	SW-41 (2-3')	Total/NA	Solid	8015NM Prep	
890-5861-13	SW-5A (8-10')	Total/NA	Solid	8015NM Prep	
890-5861-14	SW-40 (3-9')	Total/NA	Solid	8015NM Prep	
890-5861-15	SW-39 (0-7')	Total/NA	Solid	8015NM Prep	
890-5861-16	SW-42 (1-3')	Total/NA	Solid	8015NM Prep	
MB 880-70027/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70027/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70027/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5861-1 MS	SW-6A (0-8')	Total/NA	Solid	8015NM Prep	
890-5861-1 MSD	SW-6A (0-8')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Total/NA	Solid	8015 NM	_
890-5861-2	SW-48 (0-8')	Total/NA	Solid	8015 NM	
890-5861-3	SW-34 (7-8')	Total/NA	Solid	8015 NM	
890-5861-4	SW-43 (0-10')	Total/NA	Solid	8015 NM	
890-5861-5	SW-47 (0-10')	Total/NA	Solid	8015 NM	
890-5861-6	SW-46 (6-10')	Total/NA	Solid	8015 NM	
890-5861-7	CS-53A (10')	Total/NA	Solid	8015 NM	
890-5861-8	SW-3A (4-6')	Total/NA	Solid	8015 NM	
890-5861-9	SW-45 (0-6')	Total/NA	Solid	8015 NM	
890-5861-10	CS-52A (6')	Total/NA	Solid	8015 NM	
890-5861-11	SW-44 (0-6')	Total/NA	Solid	8015 NM	
890-5861-12	SW-41 (2-3')	Total/NA	Solid	8015 NM	
890-5861-13	SW-5A (8-10')	Total/NA	Solid	8015 NM	
890-5861-14	SW-40 (3-9')	Total/NA	Solid	8015 NM	
890-5861-15	SW-39 (0-7')	Total/NA	Solid	8015 NM	
890-5861-16	SW-42 (1-3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 70030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Soluble	Solid	DI Leach	
890-5861-2	SW-48 (0-8')	Soluble	Solid	DI Leach	
890-5861-3	SW-34 (7-8')	Soluble	Solid	DI Leach	
890-5861-4	SW-43 (0-10')	Soluble	Solid	DI Leach	
890-5861-5	SW-47 (0-10')	Soluble	Solid	DI Leach	
890-5861-6	SW-46 (6-10')	Soluble	Solid	DI Leach	
890-5861-7	CS-53A (10')	Soluble	Solid	DI Leach	
890-5861-8	SW-3A (4-6')	Soluble	Solid	DI Leach	
890-5861-9	SW-45 (0-6')	Soluble	Solid	DI Leach	
890-5861-10	CS-52A (6')	Soluble	Solid	DI Leach	
890-5861-11	SW-44 (0-6')	Soluble	Solid	DI Leach	
890-5861-12	SW-41 (2-3')	Soluble	Solid	DI Leach	

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Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 70030 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-13	SW-5A (8-10')	Soluble	Solid	DI Leach	
890-5861-14	SW-40 (3-9')	Soluble	Solid	DI Leach	
890-5861-15	SW-39 (0-7')	Soluble	Solid	DI Leach	
890-5861-16	SW-42 (1-3')	Soluble	Solid	DI Leach	
MB 880-70030/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70030/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70030/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5861-10 MS	CS-52A (6')	Soluble	Solid	DI Leach	
890-5861-10 MSD	CS-52A (6')	Soluble	Solid	DI Leach	

Analysis Batch: 70035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5861-1	SW-6A (0-8')	Soluble	Solid	300.0	70030
890-5861-2	SW-48 (0-8')	Soluble	Solid	300.0	70030
890-5861-3	SW-34 (7-8')	Soluble	Solid	300.0	70030
890-5861-4	SW-43 (0-10')	Soluble	Solid	300.0	70030
890-5861-5	SW-47 (0-10')	Soluble	Solid	300.0	70030
890-5861-6	SW-46 (6-10')	Soluble	Solid	300.0	70030
890-5861-7	CS-53A (10')	Soluble	Solid	300.0	70030
890-5861-8	SW-3A (4-6')	Soluble	Solid	300.0	70030
890-5861-9	SW-45 (0-6')	Soluble	Solid	300.0	70030
890-5861-10	CS-52A (6')	Soluble	Solid	300.0	70030
890-5861-11	SW-44 (0-6')	Soluble	Solid	300.0	70030
890-5861-12	SW-41 (2-3')	Soluble	Solid	300.0	70030
890-5861-13	SW-5A (8-10')	Soluble	Solid	300.0	70030
890-5861-14	SW-40 (3-9')	Soluble	Solid	300.0	70030
890-5861-15	SW-39 (0-7')	Soluble	Solid	300.0	70030
890-5861-16	SW-42 (1-3')	Soluble	Solid	300.0	70030
MB 880-70030/1-A	Method Blank	Soluble	Solid	300.0	70030
LCS 880-70030/2-A	Lab Control Sample	Soluble	Solid	300.0	70030
LCSD 880-70030/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70030
890-5861-10 MS	CS-52A (6')	Soluble	Solid	300.0	70030
890-5861-10 MSD	CS-52A (6')	Soluble	Solid	300.0	70030

Client: NT Global Job ID: 890-5861-1 Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Client Sample ID: SW-6A (0-8')

Date Collected: 12/29/23 10:00 Date Received: 12/29/23 14:25 Lab Sample ID: 890-5861-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/02/24 22:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/02/24 22:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 20:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 20:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:11	CH	EET MID

Client Sample ID: SW-48 (0-8') Lab Sample ID: 890-5861-2

Date Collected: 12/29/23 10:05

Date Received: 12/29/23 14:25

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/02/24 22:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/02/24 22:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 21:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 21:47	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:17	CH	EET MID

Client Sample ID: SW-34 (7-8') Lab Sample ID: 890-5861-3 **Matrix: Solid**

Date Collected: 12/29/23 10:10 Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/02/24 23:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/02/24 23:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 22:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 22:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:22	CH	EET MID

Client Sample ID: SW-43 (0-10') Lab Sample ID: 890-5861-4

Date Collected: 12/29/23 10:15 Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/02/24 23:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/02/24 23:30	SM	EET MID

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Matrix: Solid

Date Collected: 12/29/23 10:15 Date Received: 12/29/23 14:25

ab	Sample	:טו	890-5861-4	
			Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70125	01/02/24 22:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 22:31	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:27	CH	EET MID

Client Sample ID: SW-47 (0-10') Lab Sample ID: 890-5861-5 Date Collected: 12/29/23 10:20 **Matrix: Solid**

Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/02/24 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/02/24 23:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 22:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 22:53	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:42	CH	EET MID

Client Sample ID: SW-46 (6-10') Lab Sample ID: 890-5861-6

Date Collected: 12/29/23 10:25 Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 00:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:48	CH	EET MID

Client Sample ID: CS-53A (10') Lab Sample ID: 890-5861-7

Date Collected: 12/29/23 10:30 Date Received: 12/29/23 14:25

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 23:36	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.96 g 1 uL	10 mL 1 uL	70027 70003	01/02/24 09:44 01/02/24 23:36	TKC SM	EET MID EET MID

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Matrix: Solid

Matrix: Solid

Job ID: 890-5861-1 SDG: Lea County NM

Client: NT Global Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

Lab Sample ID: 890-5861-7

Client Sample ID: CS-53A (10')

Date Collected: 12/29/23 10:30 Date Received: 12/29/23 14:25 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:53	CH	EET MID

Lab Sample ID: 890-5861-8

Date Collected: 12/29/23 10:35

Client Sample ID: SW-3A (4-6')

Matrix: Solid

Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 00:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 00:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/02/24 23:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/02/24 23:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 18:58	CH	EET MID

Lab Sample ID: 890-5861-9

Matrix: Solid

Date Collected: 12/29/23 10:40 Date Received: 12/29/23 14:25

Client Sample ID: SW-45 (0-6')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 01:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 01:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 00:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 00:20	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	70035	01/02/24 19:03	CH	EET MID

Client Sample ID: CS-52A (6')

Lab Sample ID: 890-5861-10

Matrix: Solid

Date Collected: 12/29/23 10:45 Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 01:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 01:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 00:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 19:08	CH	EET MID

Date Collected: 12/29/23 10:50 Date Received: 12/29/23 14:25 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 02:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 01:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	70035	01/02/24 19:24	CH	EET MID

Lab Sample ID: 890-5861-12

Client Sample ID: SW-41 (2-3') Date Collected: 12/29/23 10:55 Matrix: Solid

Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 03:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 01:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 01:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70030	01/02/24 09:57	SA	EET MIC
Soluble	Analysis	300.0		5	50 mL	50 mL	70035	01/02/24 19:29	CH	EET MIC

Client Sample ID: SW-5A (8-10') Lab Sample ID: 890-5861-13

Date Collected: 12/29/23 11:05 **Matrix: Solid** Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 03:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 03:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 02:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 19:45	CH	EET MID

Client Sample ID: SW-40 (3-9') Lab Sample ID: 890-5861-14

Date Collected: 12/29/23 11:10 **Matrix: Solid** Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 03:59	SM	EET MID

Date Collected: 12/29/23 11:10

Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70125	01/03/24 02:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 02:31	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	70035	01/02/24 19:50	СН	EET MID

Client Sample ID: SW-39 (0-7') Lab Sample ID: 890-5861-15

Date Collected: 12/29/23 11:15 **Matrix: Solid**

Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 04:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 04:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 02:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 02:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	70035	01/02/24 19:55	CH	EET MID

Client Sample ID: SW-42 (1-3') Lab Sample ID: 890-5861-16

Date Collected: 12/29/23 11:00 **Matrix: Solid** Date Received: 12/29/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70058	01/02/24 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70013	01/03/24 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70124	01/03/24 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			70125	01/03/24 03:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	70027	01/02/24 09:44	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70003	01/03/24 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70030	01/02/24 09:57	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	70035	01/02/24 20:00	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progr	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400-23-26	06-30-24
• .	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: NT Global Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H

SDG: Lea County NM

Job ID: 890-5861-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global Job ID: 890-5861-1
Project/Site: Earthstone GRAMA RIDGE 34 STATE 3BS #005H SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5861-1	SW-6A (0-8')	Solid	12/29/23 10:00	12/29/23 14:25
890-5861-2	SW-48 (0-8')	Solid	12/29/23 10:05	12/29/23 14:25
890-5861-3	SW-34 (7-8')	Solid	12/29/23 10:10	12/29/23 14:25
890-5861-4	SW-43 (0-10')	Solid	12/29/23 10:15	12/29/23 14:25
890-5861-5	SW-47 (0-10')	Solid	12/29/23 10:20	12/29/23 14:25
890-5861-6	SW-46 (6-10')	Solid	12/29/23 10:25	12/29/23 14:25
890-5861-7	CS-53A (10')	Solid	12/29/23 10:30	12/29/23 14:25
890-5861-8	SW-3A (4-6')	Solid	12/29/23 10:35	12/29/23 14:25
890-5861-9	SW-45 (0-6')	Solid	12/29/23 10:40	12/29/23 14:25
890-5861-10	CS-52A (6')	Solid	12/29/23 10:45	12/29/23 14:25
890-5861-11	SW-44 (0-6')	Solid	12/29/23 10:50	12/29/23 14:25
890-5861-12	SW-41 (2-3')	Solid	12/29/23 10:55	12/29/23 14:25
890-5861-13	SW-5A (8-10')	Solid	12/29/23 11:05	12/29/23 14:25
890-5861-14	SW-40 (3-9')	Solid	12/29/23 11:10	12/29/23 14:25
890-5861-15	SW-39 (0-7')	Solid	12/29/23 11:15	12/29/23 14:25
890-5861-16	SW-42 (1-3')	Solid	12/29/23 11:00	12/29/23 14:25

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Work Order No:

Company Name: NTG Environmental	ate 3BS #005H					Cilis Main			1	Work Or	Work Order Comments	
Tradewinds Blvd, Suite Cardenings Blvd, Sui	ate 3BS #005H		Company Name	Name:		Earthstone Energy	ne Ene	, do	Progr	Program: UST/PST PRP Brownfields RRC	rownfields	RC Upperfund
Sarthstone - Grama Ridge 23786	ate 3BS #005H		Address:			300 N. A	larienfe	600 N. Marienfeld Suite 1000	State			
arthstone - Grama Ridge 23786 23786 23786 Lea Co Jill Smi Ares No N/A Yes No N/A Yes No N/A 16 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023 7) 12/29/2023	ate 3BS #005H	J	City, State ZIP:	ZIP		Midland, Texas 79701	Texas	79701	Repor	Level III	TSI [URRP Level IV
Earthstone - Grama Ridge 23786 23786 Lea Co., Jill Smi Ji	ate 3BS #005H	Email:	Email: jkindley@ntglobal.com	ntgloba		haskell	@ntglo	bhaskell@ntglobal.com	Delive	Deliverables: EDD 🔲 A	ADaPT □ O	Other:
23786 Lea Co., Jill Smi Jill Smi Jill Smi Ves No N/A Yes No N/A Yes No N/A 16 12/29/2023 12/29/2023 17/29/2023 17/29/2023 17/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023 1/2/29/2023		Turn	Turn Around					ANALYS	ANALYSIS REQUEST		Pres	Preservative Codes
Lea Co Jill Smi Jill Smi Temp Blank: Yes No Yes No N/A Yes No N/A 16 12/29/2023 12/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023 17/29/2023		☐ Routine	✓ Rush		Pres. Code						None: NO	DI Water: H ₂ O
Temp Blank: Yes No N/A Yes No N/A Yes No N/A 16 16 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023		Due Date:	48hr								Cool Cool	MeOH: Me
Temp Blank: Yes No N/A Yes No N/A Yes No N/A 16 102/29/2023 17/29/2023 17/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023 18/29/2023		TAT starts the day		by the			MRO	_ _ _:	_	 - -	HCL HC	HNO3: HN
Tem Blank: Yes No N/A Yes No N/A 16 16 112/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023		lab, if received	red by 4:30pm	Ę	SJS		1+0				H ₂ S04: H ₂	NaOH: Na
Yes No Yes No N/A Yes No N/A 16 16 12/29/2023 10 12/29/2023 12/29/2023 10 12/29/2023 12/29/2023 10 12/29/2023 12/29/2023 10 12/29/2023 12/29/2023 10 12/29/2023 12/29/2023 10 12/29/2023 12/29/2023	Yes No	Wet Ice:	Yes	ę	eşəu.	-	חאמ					
Yes No N/A Yes No N/A 16 16 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023	Thermometer ID:				1676	208	+ 02				OLD NAHSO, NABIS	IABIS
ation Date 16 12/29/2023 12/29/2023 12/29/2023 17) 12/29/2023 17) 12/29/2023 17) 12/29/2023 17) 12/29/2023 17) 12/29/2023 17) 12/29/2023 17) 12/29/2023	Correction Factor:				d	-	 					VaSO
ation Date 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023	Temperature Reading:					-		890-5861 Chain of Custody	ustody		Zn Acetate	Zn Acetate+NaOH: Zn
ation () () () () () () () () () () () () ()	Corrected Temperature:					_	LOR	-	_	_	NaOH+Aso	NaOH+Ascorbic Acid SAPC
	Time	Soil	Water	Grab/ Comp	# of Cont		Hai				Sam	Sample Comments
	10:00	×		Comp	_	×	×					
	10:05	×		Comp	-	×	×					
	10:10	×	,	Comp	1	×	×					
	10:15	×		Comp	1	×	×					
	10:20	×	-	Comp	-	×	×					
	10:25	×	1	Comp	-	×	×					
	10:30	×	_	Comp	-	×	×					
	10:35	×	-	Comp	-	×	×					
SW-45 (0-6') 12/29/2023	10:40	×		Comp	-	×	×					
CS-52A (6') 12/29/2023	10:45	×		Сошр	-	×	×					
Additional Comments:												
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractora. 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 abyond the control	tutes a valid purchase ord	der from client com	pany to Xer expenses in	co, its affil curred by	ates and s	ubcontrac such loss	tors. It as	ny to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions penses incurred by the client if such losses are due to circumstances beyond the control	ditions			
Xenco. A minimum charge of \$55.00 will be applied to each project and	a charge of \$3 for each s	amble submitted to		TO A III	,	Date/Time	9	Date/Time Relinquished by (Signature)	Signature)	Received by: (Signature)	nature)	Date/Time
Keinquished by: (Signature)	Received by: (Signature)	gnature)				Jaic/	2	2	(aman fin	6.1.6		
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Date/Time

Received by: (Signature)

Relinquished by: (Signature)

Date/Time

0

Received by: (Signature)

Relinguished by: (Signature)

Chain of Custody

Work Order No:

Program: UST/PST PRP | Brownfields | RRC | Duperfund | DI Water: H₂O MeOH: Me HNO₃: HN NaOH: Na NaOH+Ascorbic Acid SAPC Preservative Codes Sample Comments ŏ Zn Acetate+NaOH: Zn NaHSO, NABIS Na S O. NaSO Other Work Order Comments H₂SO₄: H₂ н РО, НР Cool Cool None: NO HCL HC ADaPT ногр Deliverables: EDD State of Project: ANALYSIS REQUEST 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 Xenco. A minimum charge of \$5.00 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. this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard ferms and conditions 600 N. Marienfeld Suite 1000 Email: jkindley@ntglobal.com bhaskell@ntglobal.com Midland, Texas 79701 Earthstone Energy × × Chloride 4500 Chris Martin TPH 8015M (GRO + DRO + MRO) × × × × × × × **BTEX 8021B \$**0₩ Cont Pres. Code Parameters Comp Comp Comp Comp Comp Comp Comp Grab/ TAT starts the day received by the lab, if received by 4:30pm Company Name Bill to: (if different) 1 W 300 City, State ZIP: Yes No 48hr ✓ Rush **Turn Around** Water Routine Due Date: Wet Ice: Soil × × × × × Earthstone - Grama Ridge 34 State 3BS #005H Corrected Temperature Temperature Reading See No Correction Factor: 10:55 11:05 10:50 11:00 11:10 11:15 Thermometer ID: Time Lea Co., NM Jill Smiley 701 Tradewinds Blvd, Suite C 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 12/29/2023 EE Date Temp Blank: 8 N NTG Environmental Yes No Yes No Midland, TX 79706 16 **19** Additional Comments: Becky Haskell 432-967-6544 Sample Identification SW-5A (8-10') SW-42 (1-3") SW-40 (3-9') SW-44 (0-6') SW-41 (2-3') SW-39 (0-7") SAMPLE RECEIPT Sample Custody Seals: Cooler Custody Seals: Sampler's Name: Total Containers: Project Manager: Company Name Project Location Received Intact: Project Number City, State ZIP Project Name: Address: Phone: # Od

Login Sample Receipt Checklist

Client: NT Global Job Number: 890-5861-1
SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 5861 List Number: 1

Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

1

2

3

4

6

4 4

12

Login Sample Receipt Checklist

Client: NT Global Job Number: 890-5861-1

SDG Number: Lea County NM

Login Number: 5861 List Source: Eurofins Midland List Number: 2 List Creation: 01/02/24 08:23 AM

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

<6mm (1/4").



January 08, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 01/05/24 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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. Keine

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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact Project Number: 237778 Sample Received By: Dionica Hinojos

Project Location: EARTHSTONE - LEA CO.

Sample ID: DH - 1 (.5) (H240050-01)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/05/2024	ND	448	112	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	134 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 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 whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: EARTHSTONE - LEA CO.

mg/kg

Sample ID: DV - 1 (9) (H240050-02)

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	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 % 71.5-13		4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/05/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene

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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Dionica Hinojos

Analyzed By: JH

Project Location: EARTHSTONE - LEA CO.

Sample ID: DH - 2 (.5) (H240050-03)

BTEX 8021B

	9/	9	7	<u></u>					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 % 71.5-13		4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/05/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celey D. Keine

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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: EARTHSTONE - LEA CO.

Sample ID: DV - 2 (9) (H240050-04)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/05/2024	ND	448	112	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	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	111	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	11.6	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Dionica Hinojos

Applyzod By: 14

Project Location: EARTHSTONE - LEA CO.

Sample ID: DV - 3 (8) (H240050-05)

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	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/05/2024	ND	448	112	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	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	17.7	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	131	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celeg & Keine



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

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. Freene



101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	4/6	
Company Name: N-10P	BILL TO	ANALYSIS REQUEST
Project Manager: Ro Ly Huskel	P.O. #:	
Address: 209 W M Chan	Company:	
1.32	State: N/M Zip: 88220 Attn:	
36-704-8056 F	Address:	
	Project Owner: Farthstand City:	
Project Name: Property Didal	State: Zip:	
11 CO	Phone #:	
Sampler Name: TILLE KINN DALL	Fax#:	S
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	Ú
Hauloofo Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME PH Chlasia BILE
14 -2 (9) 24 -2 (9) 24 -1 (9) 25 -2 (9)	× 5	2:00
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 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,	any claim arising whether based in contract or tort, shall be limited to the amount paid to deemed waived unless made in writing and received by Cardinal within 30 days after ng without limitation, business interruptions, loss of use, or loss of profits incurred by cit	by the client for the roompletion of the applicable Bill to En Phylone
Relinquished By: Date: 1-5 Receiver: By: Verbal Results : All Results :	Received By:	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Emzil address:
Relinquished By: Date:	Received by:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corrected Temp. °C 4140	Sample Condition CHECKED BY: Cool Intact Cool Intact Pyes Pyes No No	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Thermometer ID #140 Orrection Factor 0°C No No Corrected Temp. °C



January 08, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 01/05/24 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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. Keine

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: 01/05/2024 Sampling Date: 01/05/2024

Reported: 01/08/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Dionica Hinojos

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

Project Location: EARTHSTONE - LEA CO.

Sample ID: DH - 3 (.5) (H240051-01)

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	01/05/2024	ND	2.23	112	2.00	0.923	
Toluene*	<0.050	0.050	01/05/2024	ND	2.25	112	2.00	1.33	
Ethylbenzene*	<0.050	0.050	01/05/2024	ND	2.24	112	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/05/2024	ND	6.74	112	6.00	0.816	
Total BTEX	<0.300	0.300	01/05/2024	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	464	16.0	01/05/2024	ND	432	108	400	3.64	
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	01/05/2024	ND	172	85.8	200	0.974	
DRO >C10-C28*	<10.0	10.0	01/05/2024	ND	176	88.1	200	0.600	
EXT DRO >C28-C36	<10.0	10.0	01/05/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(0/0)) 393-2326 FAX (5/5) 393-24/6	4/6				
Company Name: N	1-108		BILL TO		ANALYSIS REQUEST	
Project Manager: R	in this well	4	P.O. #:			19
Address: 209 W			Company:			
N	State:	OBES 8 :412 WILL	Attn:	,		
Phone #: 436 724 8056	1-805/ Fax #:		Address:			
Project #: 237 778		Project Owner: FarthStand	City:			
Project Name: (prome	Didal .		State: Zip:			
Project Location:	Dr Consta		Phone #:			
Sampler Name:	icer Kinn ball		Fax #:	3		
		MATRIX	PRESERV. SAMPLING	JO		
HA40057 Lab I.D.	Sample I.D.	AB OR (C)OMP INTAINERS JUNDWATER TEWATER	ER: D/BASE: COOL ER:	TPH BTEX Morio		
		GI W SC	IC O	IIME		İ
	1675-48	7				
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			Lat he figures and the same and	Twitte office for the		
PLEASE NOTE: Liability and Damage analyses. All claims including those for service. In no event shall Cardinal be II service. In no event shall Cardinal be II services.	PLEASE NOTE: Lubinity and Damages, Calonia's ladinity and client's exclusive remoty for any cliam arising wheneve based in contact or fort, shall be mirror to 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 whole throughout limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affective or exprosessors arising out of or caland to his parformance of sources becaused by Dardinal foreign and the above stable foreign and other caland foreign and other caland foreign and other caland foreign and other caland foreign and the caland foreign an	any claim airsing whennai oesed in contrac s deemed walved unless made in writing an ig without limitation, business interruptions, Cardinal renam are of whether such claim	witerisk deset in contract of tort, stall be anitive to the window, pad or of the unless made in writing and received by Cardinal within 30 days after completion of the n, business interruptions, loss of use, or loss of this incurred by client, its subsidiarie re of whether such claim is based inton any of the above stalled reasons of offences.	toy use cuent tor trie completion of the applicable lient, its subsidiaries,		
Relinquished By	Date: 1-5	Received By:		Verbal Result: Yes No Add'I Phone #:	Add'I Phone #:	
1 And	I nme:	1 P				
Relinquished By:	Date:	Received By:		REMARKS:		
	Time:					
Delivered By: (Circle One)	ne) Observed Temp. °C . L °C		CHECKED BY: (lnkials)	Turnaround Time: Standard Rush	200	
Sampler - UPS - Bus - Other:	Other: Corrected Temp. °C	10 HIF	2	Thermometer ID #140 Correction Factor 0°C QU	☐ Yes ☐ Yes ☐ No ☐ No	
		ľ			ı	



January 10, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 01/09/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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. Keine

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



01/09/2024

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

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

Sampling Date:

Sampling Type:

Received: 01/09/2024

Reported: 01/10/2024

Project Name: GRAMA RIDGE Sampling Condition:
Project Number: 237778 Sample Received By:

Project Location: EARTHSTONE - LEA CO.

Sample ID: DV - 2 (10') (H240088-01)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.3	200	3.37	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	205	102	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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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 ANALYSIS REQUEST



101 East Marland	101 East Marland, Hobbs, NW 00240				_
(575) 393-2326	(575) 393-2326 FAX (575) 333-2410	BILL TO	AN	ANALYSIS REQUEST	_
roject Manager: Rolly Hasher		P.O. #:			
Address: 789 12 Millian ST	1	Company:			
in: Carle bank	State: NM zip: 88020	Attn:			
hone #: 431, 924 8086	Fax #:	Address:			
Project #: 237778	Project Owner: En Hoden	City:			
	Rifae	State: Zip:			
3	5 9	Phone #:			
in the con		Fax #:			_
Sampler Name: / y W Ku	Mychall Holm	PRESERV SAMPLING			_
	1	PRESERV	Dos		_
Lab I.D. Sample I.D.	S)RAB OR (C)OME CONTAINERS ROUNDWATER VASTEWATER OIL	CE / COOL OTHER:	TIME PH Chloria BTE		
ME4088 501-24	GF W Y SC	O A	4:01 X X X	:	-
٥					
PLEASE NOTE: Liability and Damages. Cardinal's liability	PLEASE NOTE: Liability and Diamages. Cardinal's liability and client's exclusive semedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Diamages. Cardinal's liability and client's exclusive semedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Diamages. Cardinal's liability and client's exclusive semedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Diamages. Cardinal's liability and client's exclusive semedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	tract or tort, shall be limited to the amount paid g and received by Cardinal within 30 days after	Bell to	Earthstone	
service. In no event shall Cardinal be liable for incidental or affiliates or successors arising out of or related to the performance.	service, in no event shall Cardinal be liable for incidental or consequental damages, including without immation, possible such claim is based upon any of the above stated reasons or otherwise, affiliates or successors arising out of or related to the performance of service. Service By: Verbal Resu	without irritation, positions are uponous, without irritation and of the above stated real regardless, regardless of whether such claim is based upon any of the above stated real Received By:	Verbal Resuit Yes No A	Add'I Phone #:	_
Relinquished By:		The same of the sa	All Results are elizabeth in sector provides		
Relinguished By:	Date: Received By:		REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C Sample Condition	CHECKED BY:	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:			Thermometer ID #140 Correction Factor 0°C 24665	□ No □ No Corrected Temp. °C	



January 10, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 01/09/24 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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. Keine

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: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - LEA CO.

Sample ID: SW - 40A (3-9') (H240089-01)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.3	200	3.37	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	205	102	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	96.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 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:

Tux

mg/kg

01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: EARTHSTONE - LEA CO.

Sample ID: SW - 49 (6-9') (H240089-02)

Received:

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.3	200	3.37	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	205	102	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.6	% 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: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - LEA CO.

Sample ID: CS - 59 (9') (H240089-03)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PI	D 105	% 71.5-13	34						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.3	200	3.37	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	205	102	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	18						
Ü									

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



Analytical Results For:

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

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: GRAMA RIDGE Sampling Condition: Cool & Intact
Project Number: 237778 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: EARTHSTONE - LEA CO.

Sample ID: SW - 41A (1-3') (H240089-04)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	211	106	200	3.83	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	207	103	200	4.47	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 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 & Frence



Analytical Results For:

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

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil Project Name: GRAMA RIDGE Sampling Condition:

Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237778

Project Location: EARTHSTONE - LEA CO.

Sample ID: CS - 60 (3') (H240089-05)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	211	106	200	3.83	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	207	103	200	4.47	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

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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



ndard Bacteria (only) Sample Condition sh Cool Intact Observed Temp. °C Pres Yes No No Corrected Temp. °C	Turnaround Time: Standard Rush Thermometer ID #140 Correction Factor 0°C 24/10	CHECKED BY:	Sample Condition Cool Intact Pres Pres	Observed Temp. °C Corrected Temp. °C	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
	REMARKS:		Received By:	Date: Time:	Relinquished By:
		Milledal	Jamora .	Time: 2:81	M
□ No Add": Phone #:	Verbal Result:	1111		- 1	hed By
a Eurotistane	applicable BIM	writing and received by Cardinal within 30 days afte rruptions, loss of use, or loss of profits incurred by c "th claim is based upon any of the above stated re	emed waived unless made in writing and n without limitation, business interruptions, los dinal, regardless of whether and claim is	nce and any other cause whatsoever shall be deemed waived unless made i incidental or consequental damages, including without limitation, business into to the performance of services hereunder by Cardinal, regardless of whether	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, a "interest or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether" A claim is based upon any of the above stated reasons or otherwise.
	-	tot shall be limited to the amount neighbors.	claim arising whether based in contract or	als liability and clients exclusive remade for an	PI BASE NOTE: I liability and Damanose Confinal's liability and client's exclusive remedy for any claim arising whether based in contract or text shall be limited to the amount neid by the client for the
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				5-60(3)	5
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	1			(2-12) LN-V	n C
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		/BASE	NTAIN UNDW TEWAT	Sample I.D.	Lab I.D. S.
	4 (5)		ATER		_
	SAMPLING	PRESERV. SAMP	MATRIX		FOR LABUSE ONLY
				(emba)	Sampler Name: 74/15
		Phone #:		Conty	Project Location: Lex
		State: Zip:		Ros	Project Name: Game
		City:	Project Owner: Enthalane	,	Project #: 33778
		Address:		156 Fax #:	Phone #: 436 \$24 8056
		Attn:	State: NM Zip: 88720		city: Cantoball
		Company:			Address: 20 h w Mcllan
		P.O. #:		15 Kg	Project Manager: Reduy
ANALYSIS REQUEST		BILL TO		<u></u>	Company Name: N 766
			/6	3-2326 FAX (3/3) 393-24/6	(5/5) 353-2320



January 12, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 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

MIDLAND TX, 79706

Project: GRAMA RIDGE Reported: 12-Jan-24 13:49 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 34 A (7-8)	H240127-01	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 46 A (7-11)	H240127-02	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 44 A (0-6)	H240127-03	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 45 A (0-6)	H240127-04	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 43 A (9-11)	H240127-05	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 5 B (8-11)	H240127-06	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 47 A (0-11)	H240127-07	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 48 A (0-8)	H240127-08	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 54 (11)	H240127-09	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 55 (8)	H240127-10	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 56 (8)	H240127-11	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 57 (6)	H240127-12	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 58 (6)	H240127-13	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 53 B (11)	H240127-14	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 61 (6)	H240127-15	Soil	11-Jan-24 09:30	11-Jan-24 12:40

01/12/24 - Client clarified the sample ID on -07. This is the revised report and will replace the one sent earlier today, 01/12/24.

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Celey D. Keene

Reported:



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

78 12-Jan-24 13:49 Y HASKELI

Fax To:

SW - 34 A (7-8) H240127-01 (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	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	0.053		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	0.249		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	0.302		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by GC	FID									S-04
GRO C6-C10*	26.4		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	246		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			136 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			147 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 46 A (7-11) H240127-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	44.7		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE
Project Number: 237778

Reported: 12-Jan-24 13:49

Project Manager: BECKY HASKELL

Fax To:

SW - 44 A (0-6) H240127-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		97.9 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	46.7		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 45 A (0-6) H240127-04 (Soil)

Analyte	Result	MDL Re	porting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal	Labora	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050	C	0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050	C	0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050	C	0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150	C	0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300	C	0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		98.6 %	71.5	5-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			94.8 %	48.2	?-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	!-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 43 A (9-11) H240127-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	720		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		97.4 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	419		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 5 B (8-11) H240127-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.9 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	21.1		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			135 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 47 A (0-11) H240127-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		97.3 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

SW - 48 A (0-8) H240127-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	19.2		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 54 (11) H240127-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		97.6 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			134 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 55 (8) H240127-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JН	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		97.3 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	115		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 56 (8) H240127-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	80.8		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			93.4 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 12-Jan-24 13:49

Fax To:

CS - 57 (6) H240127-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		96.8 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			115 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 58 (6) H240127-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 53 B (11) H240127-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.5 %	71.5-134		4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
DRO >C10-C28*	15.6		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			110 %	48.2-	-134	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	4011135	MS	12-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 12-Jan-24 13:49

CS - 61 (6) H240127-15 (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	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds h	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.2 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			98.3 %	48.2	-134	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4011135	MS	12-Jan-24	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 12-Jan-24 13:49

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4011139 - 1:4 DI Water										
Blank (4011139-BLK1)				Prepared &	Analyzed:	11-Jan-24				
Chloride	ND	16.0	mg/kg							
LCS (4011139-BS1)				Prepared &	z Analyzed:	11-Jan-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4011139-BSD1)				Prepared &	z Analyzed:	11-Jan-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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%REC

Limits

RPD

Analytical Results For:

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

Analyte

Toluene

Ethylbenzene

m,p-Xylene

Total Xylenes

Surrogate: 4-Bromofluorobenzene (PID)

o-Xylene

Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Reported: 12-Jan-24 13:49

RPD

Limit

Notes

Fax To:

Reporting

Limit

0.050

0.050

0.100

0.050

0.150

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

2.00

2.00

4.00

2.00

6.00

0.0500

Result

2.10

2.10

4.08

2.04

6.12

0.0485

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Units

Spike

Level

Source

Result

%REC

105

105

102

102

102

97 1

86-128

85.9-128

89-129

86.1-125

88.2-128

71.5-134

9.13

9.10

9.44

9.15

15.9

16

16.2

16.7

16.3

Blank (4011130-BLK1)				Prepared & Anal	yzed: 11-Jan-24				
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	97.0	71.5-134			
LCS (4011130-BS1)				Prepared & Anal	yzed: 11-Jan-24				
Benzene	1.94	0.050	mg/kg	2.00	97.0	82.8-130			
Toluene	1.92	0.050	mg/kg	2.00	96.0	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00	95.9	85.9-128			
m,p-Xylene	3.71	0.100	mg/kg	4.00	92.8	89-129			
o-Xylene	1.87	0.050	mg/kg	2.00	93.3	86.1-125			
Total Xylenes	5.58	0.150	mg/kg	6.00	92.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500	97.3	71.5-134			
LCS Dup (4011130-BSD1)				Prepared & Anal	yzed: 11-Jan-24				
Benzene	2.11	0.050	mg/kg	2.00	106	82.8-130	8.61	15.8	

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%REC

Limits

RPD

Analytical Results For:

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

Analyte

DRO >C10-C28

Total TPH C6-C28

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: GRAMA RIDGE
Project Number: 237778
Project Manager: BECKY HASKELL

Spike

Level

Source

Result

%REC

88.5

86.0

97.0

66.5-118

77.6-123

48.2-134

49.1-148

6.21

21

18.5

Reported: 12-Jan-24 13:49

RPD

Limit

Notes

Fax To:

Reporting

Limit

10.0

Result

177

351

43.0

48.5

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Batch 4011135 - General Prep - Organ	nics								
Blank (4011135-BLK1)				Prepared & Ana	lyzed: 11-Jan-24				
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	47.4		mg/kg	50.0	94.8	48.2-134			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0	99.9	49.1-148			
LCS (4011135-BS1)				Prepared & Ana	lyzed: 11-Jan-24				
GRO C6-C10	170	10.0	mg/kg	200	85.1	66.4-123			
DRO >C10-C28	166	10.0	mg/kg	200	83.1	66.5-118			
Total TPH C6-C28	337	10.0	mg/kg	400	84.1	77.6-123			
Surrogate: 1-Chlorooctane	43.5		mg/kg	50.0	87.0	48.2-134			
Surrogate: 1-Chlorooctadecane	43.5		mg/kg	50.0	87.0	49.1-148			
LCS Dup (4011135-BSD1)				Prepared & Ana	lyzed: 11-Jan-24				
GRO C6-C10	174	10.0	mg/kg	200	86.8	66.4-123	1.93	17.7	

mg/kg

mg/kg

mg/kg

mg/kg

200

400

50.0

50.0

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	019) 393-2320 FAX (319) 393-2416	200	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Project Manager: O O	1000	BO# BILL IO	ANALYSIS	SIS REQUEST
Address: 209um. No.	2	Company:		
city: Carlsbad	d (State: NM Zip: 88000)	Attn:	x - 1	
Phone #: 432-924 -8086	70	Address:		
Project #: 237778	18 Project Owner: Ecological	City:		
Project Name: 60	na Roby	State: Zip:		
Project Location: (or County	Phone #:		
Sampler Name:	lor Gunball	Fax #:	S	
FOR LAB USE ONLY	R R	PRESERV. SAMI	SAMPLING	
Lab I.D. H240127	G)RAB OR (C)C CONTAINERS GROUNDWATE WASTEWATER SOIL DIL SLUDGE	OTHER: OTHER: OTHER: OTHER:	Chlar Bre	
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S	W-477 (0-1)			
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10	CS-55(8) ////			
nalyses. All claims including those for neglig ervice. In no event shall Cardinal be liable to ffiliates or successors arising out of or relates	ines a seutary and cirents excusave remoty for any claim arising whether by ence and any other cause whatsoover shall be deemed waived unless ma incidental or consequental damages, including without limitation, busines the time portions. "The of services hereunder by Cardinal, regardless of wheil	issed in contract or tort, shall be limited to the amount pak de in writing and received by Cardinal within 30 days afte is interruptions, loss of use, or loss of profits incurred by or ther such claim is based upon any of the above stated re-	by the client for the Completion of the applicable completion of the applicable lent, its subsidiaries, and the control of the applicable appli	
Relinquished By:	Date: /-// Received By: Time: Z; 40 SNOC Pate: Received By:		Verbe; Result: ☐ Yes ☐ No ☐ Add'i Phone #: All Result: ≘re emailed. Please provide Email address: REMARKS:	ress:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	ne) Observed Temp. °C 422 Cool Intact Other: Corrected Temp. °C Types La Yes No	CHECKED BY:	Turnaround Time: Standard Bac Coo Thermometer ID #140 Correction Factor 0°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No Corrected Temp. °C
FORWINDOO N 3.4 O	† Cardinal cannot accept verbal c	hanges. Please email ch	ne@cardinallabsnm.co	- 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

and by the client for the flat flat completion of the applicable flat comp	Initials. Sample Condition Sample Condition Sample Condition CHECKED BY: Cool Intact Linitials.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract octor, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsower 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 Cordinal be limited to the performance of services hereunder by Cardinal, regardless of whether such to any is based upon any of the above stated reasons or otherwise. Relinquished By: Date: Time: Date: Time: Cool Intact Unitials Thermometer ID #1. Correction Factor 0°
ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST O(386)	State: WM Zip: \$8 220 Attn: ax #: Company: G(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE P.O. #: Company: City: State: Zip: Phone #: Fax #: ICE / COOL OTHER: DATE	Company Name: A COLE Project Manager: & CULLY HALL! Address: ZOA W MLAQY City: Co. Lo Daved Phone #: 432-924 8056 Fax #: Project Name: Corang Ph. Xol Project Location: Lea Coundy Sampler Name: 71 2 Unit David FOR LAB I.D. Lab I.D. Sample I.D. 4240127 CS-57 (6) 13 CS-58 (4) 14 CS-53 B (11) 15 CS-58 (6) 16 17 18 19 19 19 19 19 19 19 19 19



January 16, 2024

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMA RIDGE 34 STATE 3BS #005H

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 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: GRAMA RIDGE 34 STATE 3BS #00! Project Number: 237778

Reported: 16-Jan-24 15:45

MIDLAND TX, 79706

Project Manager: BECKY HASKELL

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 34 A (7-8)	H240127-01	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 46 A (7-11)	H240127-02	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 44 A (0-6)	H240127-03	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 45 A (0-6)	H240127-04	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 43 A (9-11)	H240127-05	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 5 B (8-11)	H240127-06	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 47 A (0-11)	H240127-07	Soil	11-Jan-24 09:00	11-Jan-24 12:40
SW - 48 A (0-11)	H240127-08	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 54 (11)	H240127-09	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 55 (8)	H240127-10	Soil	11-Jan-24 09:00	11-Jan-24 12:40
CS - 56 (8)	H240127-11	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 57 (6)	H240127-12	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 58 (6)	H240127-13	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 53 B (11)	H240127-14	Soil	11-Jan-24 09:30	11-Jan-24 12:40
CS - 61 (6)	H240127-15	Soil	11-Jan-24 09:30	11-Jan-24 12:40

01/12/24 - Client clarified the sample ID on -07. This is the revised report and will replace the one sent earlier today, 01/12/24. 01/16/24 - Client changed the sample ID on -08 (See COC). This is the 2nd revision of the report and will replace the one sent on 01/12/24.

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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: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 16-Jan-24 15:45

SW - 34 A (7-8) H240127-01 (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	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	0.053		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	0.249		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	0.302		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		105 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by C	GC FID									S-04
GRO C6-C10*	26.4		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	246		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			136 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			147 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

SW - 46 A (7-11) H240127-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	44.7		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

SW - 44 A (0-6) H240127-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	368		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.9 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	46.7		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported:

Project Number: 237778

Project Manager: BECKY HASKELL

16-Jan-24 15:45

Fax To:

SW - 45 A (0-6) H240127-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JН	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		98.6 %	71.5	-134	4011130	ЈН	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			94.8 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

SW - 43 A (9-11) H240127-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	720		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.4 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	419		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported:

Project Number: 237778

23///0

16-Jan-24 15:45

Project Manager: BECKY HASKELL

Fax To:

SW - 5 B (8-11) H240127-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		97.9 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	21.1		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			135 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 16-Jan-24 15:45

SW - 47 A (0-11) H240127-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JН	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		97.3 %	71.5	-134	4011130	ЈН	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

SW - 48 A (0-11) H240127-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	19.2		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 16-Jan-24 15:45

CS - 54 (11) H240127-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.6 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			134 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

CS - 55 (8) H240127-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		97.3 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	115		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

CS - 56 (8) H240127-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		98.0 %	71.5	-134	4011130	ЈН	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	80.8		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			93.4 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	4011135	MS	11-Jan-24	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: GRAMA RIDGE 34 STATE 3BS #00!

Reported:

Project Number: 237778

Project Manager: BECKY HASKELL

16-Jan-24 15:45

Fax To:

CS - 57 (6) H240127-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		96.8 %	71.5	-134	4011130	ЈН	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			115 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keine



Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported: 16-Jan-24 15:45

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

CS-58 (6) H240127-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		97.7 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4011135	MS	11-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4011135	MS	11-Jan-24	8015B	

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Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Project: GRAMA RIDGE 34 STATE 3BS #00!

Reported:

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

16-Jan-24 15:45

CS - 53 B (11) H240127-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		97.5 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
DRO >C10-C28*	15.6		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			110 %	48.2	-134	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	4011135	MS	12-Jan-24	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: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778 Project Manager: BECKY HASKELL

Fax To:

Reported: 16-Jan-24 15:45

CS-61 (6) H240127-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	4011139	CT	11-Jan-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4011130	JH	11-Jan-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			98.2 %	71.5	-134	4011130	JH	11-Jan-24	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctane			98.3 %	48.2	-134	4011135	MS	12-Jan-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4011135	MS	12-Jan-24	8015B	

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Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778

Project Manager: BECKY HASKELL

Fax To:

Reported: 16-Jan-24 15:45

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4011139 - 1:4 DI Water										
Blank (4011139-BLK1)				Prepared &	ն Analyzed:	11-Jan-24				
Chloride	ND	16.0	mg/kg							
LCS (4011139-BS1)				Prepared &	analyzed:	11-Jan-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4011139-BSD1)				Prepared &	analyzed:	11-Jan-24				
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: GRAMA RIDGE 34 STATE 3BS #00!

Project Number: 237778

Source

97.1

71.5-134

Project Manager: BECKY HASKELL

Spike

Fax To:

Reported: 16-Jan-24 15:45

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

0.0485

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4011130 - Volatiles										
Blank (4011130-BLK1)				Prepared &	: Analyzed:	11-Jan-24				
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		97.0	71.5-134			
LCS (4011130-BS1)				Prepared &	: Analyzed:	11-Jan-24				
Benzene	1.94	0.050	mg/kg	2.00		97.0	82.8-130			
Toluene	1.92	0.050	mg/kg	2.00		96.0	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.9	85.9-128			
m,p-Xylene	3.71	0.100	mg/kg	4.00		92.8	89-129			
o-Xylene	1.87	0.050	mg/kg	2.00		93.3	86.1-125			
Total Xylenes	5.58	0.150	mg/kg	6.00		92.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.3	71.5-134			
LCS Dup (4011130-BSD1)				Prepared &	: Analyzed:	11-Jan-24				
Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130	8.61	15.8	
Toluene	2.10	0.050	mg/kg	2.00		105	86-128	9.13	15.9	
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	85.9-128	9.10	16	
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89-129	9.44	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	9.15	16.7	
Total Xylenes	6.12	0.150	mg/kg	6.00		102	88.2-128	9.34	16.3	

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mg/kg

0.0500

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Surrogate: 4-Bromofluorobenzene (PID)



%REC

Analytical Results For:

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

Project: GRAMA RIDGE 34 STATE 3BS #00!

Source

Reported:

Project Number: 237778

Project Manager: BECKY HASKELL

Spike

50.0

97.0

49.1-148

Fax To:

16-Jan-24 15:45

RPD

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

48.5

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4011135 - General Prep - Organics										
Blank (4011135-BLK1)				Prepared &	& Analyzed:	11-Jan-24				
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	47.4		mg/kg	50.0		94.8	48.2-134			
Surrogate: 1-Chlorooctadecane	49.9		mg/kg	50.0		99.9	49.1-148			
LCS (4011135-BS1)				Prepared &	& Analyzed:	11-Jan-24				
GRO C6-C10	170	10.0	mg/kg	200		85.1	66.4-123			
DRO >C10-C28	166	10.0	mg/kg	200		83.1	66.5-118			
Total TPH C6-C28	337	10.0	mg/kg	400		84.1	77.6-123			
Surrogate: 1-Chlorooctane	43.5		mg/kg	50.0		87.0	48.2-134			
Surrogate: 1-Chlorooctadecane	43.5		mg/kg	50.0		87.0	49.1-148			
LCS Dup (4011135-BSD1)				Prepared &	& Analyzed:	11-Jan-24				
GRO C6-C10	174	10.0	mg/kg	200		86.8	66.4-123	1.93	17.7	
DRO >C10-C28	177	10.0	mg/kg	200		88.5	66.5-118	6.21	21	
Total TPH C6-C28	351	10.0	mg/kg	400		87.6	77.6-123	4.07	18.5	
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		86.0	48.2-134			

mg/kg

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Surrogate: 1-Chlorooctadecane

Celey D. Keene, Lab Director/Quality Manager



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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Celey D. Keene, Lab Director/Quality Manager

Page 21 of 23

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Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

F	eshel	P.O.#:	ANALYSIS REQUEST	- ISI
City: Cr(Sb/d	State: NM zip: 88020	Company:		
Phone #: 432-924-8086	Fax #:	Address:		
Project #: 237778	Project Owner: Elotofae	City:		
Project Name: Warna P. Ve		State: Zip:		
Project Location: Lon Connil	\$ (#		
Sampler Name: Tylor Umb	160(1	Fax #:		
FOR LAB USE ONLY		PRESERV. SAMPLING	JOS X	
H248127		OTHER: ACID/BASE: ICE / COOL OTHER:	TOPH Chloria 8TE	
8 5 July 19 19 19 19 19 19 19 19 19 19 19 19 19	X	1-11 9:08		
7 45h-MS 5	9-(1)			
-8/85-MS. 3				
1 48h 2015 8 X	0-8)11			
PLEASE NOTE: Liability and Darmages: Cardinal's liability and clines				
음 등 등	Bigence and any other cause whatsoever shall be deemed water unless made in writing and received by Cardinal within 30 days after completion of the arrows to the clear the for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, the perform, "re of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reacrits." - "Thereides	a or ixor, shall be limited to the amount paid by the clie not received by Cardinal within 30 days after completio loss of use, or loss of profits incurred by client, its suit is based upon any of the above staffed reasons	of fixe the ". of the applicable sidaries, envice.	
the			Verbe≀Result: ☐ Yes ☐ No Add'I Phone #: All Result≎ are emailed. Please provide Email address:	
	Date: Received By:	REMARKS:	* Customer regues	ed sample
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Corre	Observed Temp. °C 4.22 Sample Condition Cool Intact	CHECKED BY:	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp	mple Condition Observed Temp. °C
	No No	7 ×	#40 Quantil Dives Dives	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

Company Name: NTOF	BILL TO	ANALYSIS REQUEST
Project Manager: Belly Hall	_	איארוסוס אבעטבטו
Address: ZOAW Mchay	Company:	
	State: WM zip: 88 220 Attn:	
6		
Project #: 257778 Project Owner:	vner: City:	
Project Name: Grand & Xal	State: Zip:	
Project Location: Les Coundy	#	
Sampler Name: (4) & Climb Onl	Fax #:	
FOR DAB USE ONLY		X
H240127	# CONTAINERS GROUNDWATER WASTEWATER OIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Chlori BEE
13 CS-S7 (6) 13 CS-S7 (6) 14 CS-S7 (6)	C' X 1-11 C:36	
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Relinquished By:	Shap on M	Verbal Result: ☐ Yes ☐ No Add'i Phone #: All Results are emailed. Please provide Email address:
	REMARKS	
Delivered By: (Circle One) Observed Temp. %	Sample Condition CHECKED BY: Turnaround Time:	Standard Bacteria (only) Sa
	Thermometer ID #140	tor occ Yes Yes

<u>District I</u> 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**

QUESTIONS

Action 318440

QUESTIONS

Opera	tor:	OGRID:
	Permian Resources Operating, LLC	372165
	300 N. Marienfeld St Ste 1000	Action Number:
	Midland, TX 79701	318440
		Action Type:
		[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2324355629
Incident Name	NAPP2324355629 GRAMA RIDGE EAST 34 STATE COM 3BS #005H @ 30-025-45625
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-45625] GRAMA RIDGE EAST 34 STATE COM 3BS #005H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GRAMA RIDGE EAST 34 STATE COM 3BS #005H
Date Release Discovered	08/28/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 13 BBL Recovered: 3 BBL Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 8 BBL Recovered: 2 BBL Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 318440

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUESTI	ONS (continued)
Operator: Permian Resources Operating, LLC	OGRID: 372165
300 N. Marienfeld St Ste 1000 Midland, TX 79701	Action Number: 318440
Wildiand, 1779701	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	•
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	rafety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of the or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com

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QUESTIONS, Page 3

Action 318440

QUESTIONS (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	318440
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Yes Sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Yes
No
grams per kilograms.)
3810
1800
1800
0.3
0.1
efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
09/13/2023
01/12/2024
01/12/2024
8000
2800
8000
2800
time of submission and may (be) change(d) over time as more remediation efforts are completed.

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 4

Action 318440

QUESTIONS (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	318440
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process)	No	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Montgomery Floyd Title: Environmental Manager

Email: montgomery.floyd@permianres.com Date: 02/28/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 318440

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC	OGRID: 372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	318440
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	f the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Wellheads, pumping units & related electrical panels
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	820
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	215
	liately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or wher
Enter the facility ID (f#) on which this deferral should be granted	GRAMA RIDGE EAST 34 STATE COM SOUTH BATTERY [fAPP2123832175]
Enter the well API (30-) on which this deferral should be granted	30-025-45625 GRAMA RIDGE EAST 34 STATE COM 3BS #005H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
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 release the OCD does not relieve the operator of liability should their operations have failed to	ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 02/28/2024

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QUESTIONS, Page 6

Action 318440

QUESTIONS (continued)		
Operator:	OGRID:	
Permian Resources Operating, LLC	372165	
300 N. Marienfeld St Ste 1000	Action Number:	
Midland, TX 79701	318440	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	303267
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	700

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 318440

CONDITIONS

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	318440
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of DV-1, DV-2, DV-3, DH-1, DH-2 and DH-3 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	4/10/2024