# Remediation Summary & Soil Closure Request

## Permian Resources Outland 14-23 State 2BS 2H

Lea County, New Mexico
Unit Letter D, Section 14, Township 21 South, Range 34 East
Latitude 32.486037 North, Longitude 103.445132 West
NMOCD Reference No. NOY1831140454 (1RP-5260)

Prepared By:

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#### 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Permian Resources, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Outland 14-23 State 2BS 2H (henceforth, "Site"). On or around November 19, 2019, while the facility was owned by an alternative operator, a *Workplan* was prepared and submitted to the New Mexico Oil Conservation Division (NMOCD) proposing remediation activities designed to advance the Site toward an approved closure; the *Workplan* was subsequently approved. Based on field observations made during the remediation of a more recent release (nAPP2328345879) and lack of environmental records, it is inferred historical remediation activities were not conducted. Impacts related to nOY1831140454 and nAPP2328345879 were remediated concurrently. Details of the release are summarized below:

		Location	of Release So	urce							
Latitude:	32.4	-103.445132									
	Provided GPS are in WGS84 format.										
Site Name:	Outland 14-	-23 State 2BS 2H	Site Type:		Tank Battery						
Date Release Disc	overed:	10/21/2018	API # (if appl	icable):	30-025-44157						
Unit Letter	Section	Township	Range	County							
D	14	21S	34E	Lea							
Surface Owner:	X State	Federal Tribal	Private (Na	ame							
		Nature and	d Volume of I	Release							
Crude Oil	Volum	e Released (bbls)	0	Volume Recover	red (bbls) 0						
X Produced Wa	ater Volum	e Released (bbls)	30	Volume Recover	red (bbls) 10						
Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?											
Condensate	Volum	e Released (bbls)		Volume Recover	red (bbls)						
Natural Gas	Volum	e Released (Mcf)		Volume Recover	red (Mcf)						
Other (descri	ibe) Volum	e/Weight Released		Volume/Weight	Recovered						
Cause of Release The release was a		quipment failure.									
		Ini	tial Response								
X The impacted X Release mater	l area has been	s been stopped. secured to protect hun a contained via the use able materials have been	of berms or dikes,	absorbent pad, or o	ther containment devices						

Previously submitted portions of the NMOCD Form C-141 are available in the NMOCD Imaging System.

#### 2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 75 and 100 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	Yes X No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution or church?	Between 1 and 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?	Between 1 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Greater than 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	Yes X No

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater and NMOCD siting information is provided as Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4 and 5.

#### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth	Constituent	Laboratory Analytical Mathed	Closure	Reclamation
to Groundwater	Constituent	Laboratory Analytical Method	Criteria*†	Standard*‡
	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	10,000	600
Between 75 and 100 (ft.)	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	1,000	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

<sup>\*</sup> Measured in milligrams per kilogram (mg/kg)

<sup>\*\*</sup> Environmental Protection Agency

<sup>†</sup> Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

<sup>‡</sup> The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

#### 4.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	X Yes No
Have the lateral and vertical extents of contamination been fully delineated?	X Yes No
Was this release entirely contained within a lined containment area?	Yes X No
On what estimated date will (or did) the remediation commence?	12/1/2023
On what date will (or did) the final sampling or liner inspection occur?	10/16/2024
On what date will (or was) the remediation complete(d)?	10/29/2024
What is the total surface area (sq. ft.) in need of or that will eventually be reclaimed?	25,700
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	3,398
What was the total surface area (sq. ft.) that has or will be remediated?	25,700
What was the total volume (cy) that has or will be remediated?	6,280
This remediation utilized the following processes to remediate/reduce contaminants:	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	X Yes No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Yes X No
(In Situ) Soil Vapor Extraction	Yes X No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Yes X No
(In Situ) Biological processing (i.e. Microbes/Fertilizer, etc.)	Yes X No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes X No
Ground Water Abatement pursuant to 19.15.30 NMAC	Yes X No
Other (Non-listed remedial process)	Yes X No
Which OCD approved facility was or will be used for off-site disposal?	Lea Land, Inc.
NMOCD Disposal Facility ID?	fEEM0112342028
Summarize any additional remediation activities not included by answers above.	See below

Between December 1, 2023, and June 3, 2024, remediation activities were conducted at the Site by an alternative environmental contractor. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and temporarily stockpiled on-site, then transfered to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	20,400	SW-52	4/12/2024	5-6	Excavated/Disposed
TPH	1,260	SW-36	12/15/2023	0-3	Excavated/Disposed
GRO+DRO	1,260	SW-36	12/15/2023	0-3	Excavated/Disposed
BTEX	2.49	CS-60	12/15/2023	3	Excavated/Disposed
Benzene	<method detection="" limit<="" td=""><td>All submitted samples</td><td>All dates</td><td>All Depths</td><td>N/A</td></method>	All submitted samples	All dates	All Depths	N/A

Please reference Table 1 for additional information.

On June 21, 2024, Etech assumed remediation responsibilities at the Site. Once remediation resumed, impacted material affected above the NMOCD Closure Criteria remaining in-situ was excavated and temporarily stockpiled on-site, then transferred to an NMOCD-permitted surface waste facility for disposal. Between December 1, 2023, and October 16, 2024, two hundred and sixty-five (265) confirmation soil samples were collected from the floor and sidewalls of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Impacted areas characterized by soil samples exhibiting BTEX, TPH, and/or chloride concentrations above the applicable NMOCD Closure Criteria were excavated and resampled, as necessary.

Equipment on at the Site made further remediation impossible. Once the equipment had been removed, sidewall soil samples that were previously established for deferral purposes (SW10, SW12A, SW21, SW22, SW46, SW53, SW54, SW60) were advanced. The soils that represented these sidewalls were excavated and taken to an NMOCD surface waste facility.

The final dimensions of the excavated area were approximately two hundred and thirty (230) feet in length, fifty-five (55) to one hundred and thirty five (135) feet in width, and one (1) to twenty-nine (29) feet in depth. During the course of remediation activities, approximately six-thousand two hundred eighty (6,280) cubic yards of impacted soil were transported to an NMOCD-permitted surface waste facility for disposal. An equal amount of locally sourced, non-impacted material was imported to the site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the site are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

#### 5.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	Yes X No
Requesting a remediation closure approval with this submission?	X Yes No
Have the lateral and vertical extents of contamination been fully delineated?	X Yes No
Was this release entirely contained within a lined containment area?	Yes X No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	X Yes No
What was the total surface area (sq. ft.) remediated?	25,700
What was the total volume (cy) remediated?	6,280

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Permian Resources provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request remediation closure approval be granted to the Site.

#### 6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	X Yes No
Requesting a reclamation approval with this submission?	Yes X No
Requesting a restoration complete approval with this submission?	Yes X No
What was the total surface area (in square feet) reclaimed?	25,700
What was the total volume (in cubic yards) reclaimed?	3,398

On September 4, 2024, in accordance with the NMOCD requirements, a 5-point composite soil sample (Merchant Outland Pit) was collected from the imported material stockpiled on-site to be utilized as backfill. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

The release was limited to the production pad of an active facility and did not impact the adjacent pasture. Final reclamation will be conducted in accordance with the NMSLO requirements upon decommissioning and abandonment of the facility.

#### 7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Permian Resources. Use of the information contained in this report is prohibited without the consent of Etech and/or Permian Resources.

#### 8.0 DISTRIBUTION

#### Permian Resources

300 N. Marienfeld St. Suite 100 Midland, TX 79701

#### New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1 1220 South St. Francis Drive Santa Fe, NM 87505

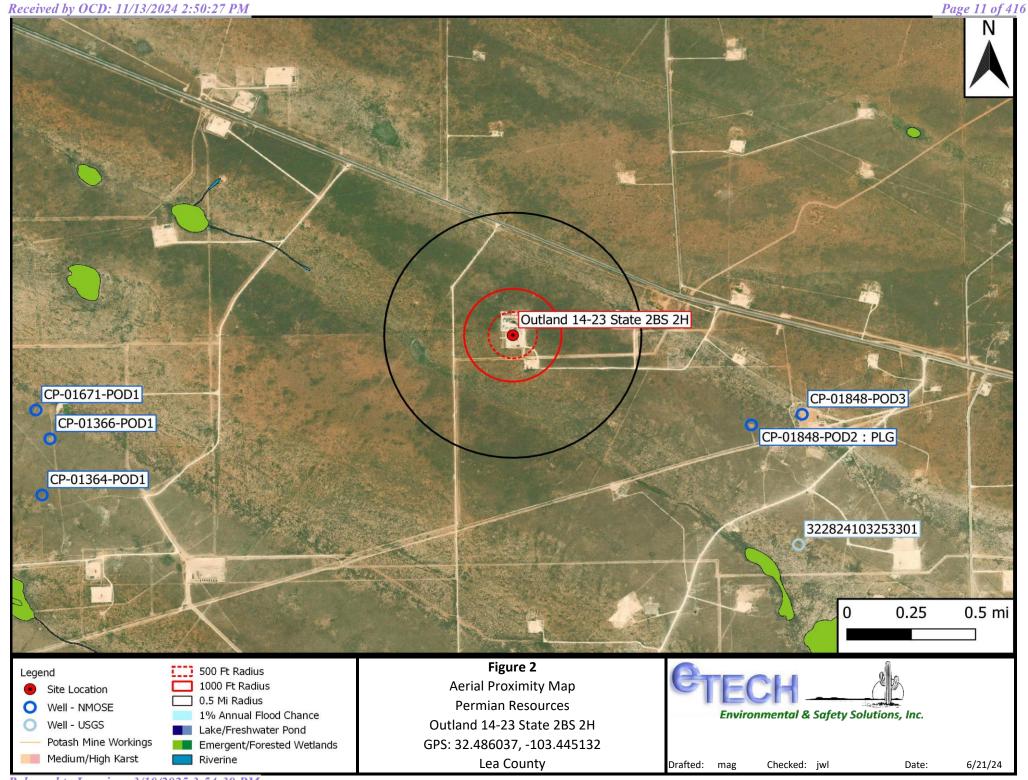
#### Hobbs Field Office

New Mexico State Land Office 2827 North Dal Paso Street Suite 117 Hobbs, NM 88240

(Electronic Submission)

## Figure 1 Topographic Map

## Figure 2 Aerial Proximity Map



# Figure 3 Sample Location Map

## Table 1 Concentrations of BTEX, TPH, and Chloride in Soil

#### Table 1 Concentrations of BTEX, TPH, and Chloride in Soil **Permian Resources** Outland 14-23 State 2BS 2H

NMOCD Ref. #: NOV1831140454 (1RP-5260)

	NMOCD Ref. #: NOY1831140454 (1RP-5260)												
	CD Closure C			10	50	-	-	1,000	-	2,500	20,000		
NMOCD	NMOCD Reclamation Standard			10	50	-	-	-	-	100	600		
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl		
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)		
CS-1	12/1/2023	1	In-Situ	< 0.050	< 0.300	<10.0	25.5	25.5	<10.0	25.5	272		
CS-2	12/1/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192		
CS-3	12/1/2023	1	In-Situ	< 0.050	< 0.300	<10.0	45.0	45.0	<10.0	45.0	544		
CS-4	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320		
CS-5	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160		
CS-6	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256		
CS-7	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0		
CS-8	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128		
CS-9	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
CS-10	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
CS-11	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	14.0	14.0	<10.0	14.0	240		
CS-12	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0		
CS-13	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352		
CS-14	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176		
CS-15	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256		
CS-16	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144		
CS-17	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240		
CS-18	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416		
CS-19	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	36.8	36.8	<10.0	36.8	528		
CS-20	12/1/2023	3	Excavated	< 0.050	< 0.300	<10.0	191	191	<10.0	191	272		
CS-20A	4/12/2024	5	In-Situ	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	129		
CS-21	12/1/2023	3	Excavated	< 0.050	< 0.300	<10.0	304	304	<10.0	304	448		
CS-21A	4/12/2024	5	In-Situ	< 0.00200	< 0.00403	<50.5	<50.5	<50.5	<50.5	<50.5	161		
CS-22	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	21.1	21.1	<10.0	21.1	352		
CS-23	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320		
CS-24	12/1/2023	3	Excavated	< 0.050	< 0.300	<10.0	19.8	19.8	<10.0	19.8	768		
CS-24A	4/12/2024	5	Excavated	< 0.00200	< 0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	930		
CS - 24B @ 5'	10/14/2024	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128		
CS-25	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	31.6	31.6	<10.0	31.6	224		
CS-26	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	17.7	17.7	<10.0	17.7	128		
CS-27	12/1/2023	3	In-Situ	< 0.050	< 0.300	<10.0	10.3	10.3	<10.0	10.3	64.0		
CS-28	12/1/2023	3	Excavated	< 0.050	< 0.300	<10.0	241	241	68.1	309	4,640		
CS-28A	4/12/2024	6	Excavated	< 0.00200	< 0.00399	<49.7	58.2	58.2	<49.7	58.2	14,200		
CS 28 A @ 12'	10/16/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176		
CS-29	12/1/2023	3	Excavated	< 0.050	< 0.300	<10.0	26.4	26.4	<10.0	26.4	2,200		
CS-29A	4/12/2024	6	Excavated	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	626		
CS 29 A @ 12'	10/16/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144		
CS-30	12/4/2023	4	In-Situ	< 0.050	< 0.300	<10.0	10.3	10.3	<10.0	10.3	304		
CS-31	12/4/2023	4	In-Situ	< 0.050	< 0.300	<10.0	11.4	11.4	<10.0	11.4	528		
CS-32	12/4/2023	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288		
CS-33	12/4/2023	6	Excavated	< 0.050	< 0.300	<10.0	22.3	22.3	<10.0	22.3	2,840		

# Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Permian Resources Outland 14-23 State 2BS 2H

NMOCD Ref. #: NOY1831140454 (1RP-5260)												
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	20,000	
NMOCD	NMOCD Reclamation Standard			10	50	-	-	-	-	100	600	
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)	
CS-33A	4/12/2024	9	In-Situ	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	313	
CS-34	12/4/2023	6	Excavated	< 0.050	< 0.300	<10.0	770	770	<10.0	770	1,260	
CS-34A	4/12/2024	9	In-Situ	< 0.00199	< 0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	259	
CS-35	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	16.0	16.0	<10.0	16.0	160	
CS-36	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560	
CS-37	12/4/2023	9	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440	
CS-37A	4/12/2024	12	In-Situ	< 0.00202	< 0.00403	<50.3	< 50.3	< 50.3	<50.3	< 50.3	279	
CS-38	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	16.0	16.0	<10.0	16.0	560	
CS-39	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-40	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	32.4	32.4	<10.0	32.4	288	
CS-41	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	51.9	51.9	<10.0	51.9	240	
CS-42	12/4/2023	9	Excavated	< 0.050	< 0.300	<10.0	181	181	<10.0	181	448	
CS-42A	4/12/2024	10	In-Situ	< 0.00201	< 0.00402	< 50.1	< 50.1	< 50.1	< 50.1	< 50.1	304	
CS-43	12/4/2023	9	Excavated	< 0.050	< 0.300	<10.0	135	135	<10.0	135	496	
CS-43A	4/12/2024	10	Excavated	< 0.00202	< 0.00404	< 50.4	171	171	< 50.4	171	374	
CS 43 B @ 10'	8/27/2024	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256	
CS-44	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400	
CS-45	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
CS-46	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	85.6	85.6	<10.0	85.6	496	
CS-47	12/4/2023	9	Excavated	< 0.050	< 0.300	<10.0	102	102	<10.0	102	688	
CS-47A	4/12/2024	10	Excavated	< 0.00200	< 0.00399	< 50.1	216	216	< 50.1	216	137	
CS 47 B @ 7'	8/27/2024	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
CS-48	12/4/2023	9	In-Situ	< 0.050	< 0.300	<10.0	87.6	87.6	<10.0	87.6	416	
CS-49	12/4/2023	9	Excavated	< 0.050	< 0.300	<10.0	170	170	<10.0	170	944	
CS-49A	4/12/2024	10	In-Situ	< 0.00198	< 0.00396	< 50.5	74.9	74.9	<50.5	74.9	208	
CS-50	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-51	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	27.3	27.3	<10.0	27.3	400	
CS-52	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	16.9	16.9	<10.0	16.9	368	
CS-53	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	64.1	64.1	<10.0	64.1	112	
CS-54	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	28.9	28.9	<10.0	28.9	64.0	
CS-55	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
CS-56	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	70.8	70.8	<10.0	70.8	80.0	
CS-57	12/15/2023	3	Excavated	< 0.050	< 0.300	<10.0	114	114	<10.0	114	32.0	
CS-57A	4/12/2024	4	In-Situ	< 0.00200	< 0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	237	
CS-58	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	22.5	22.5	<10.0	22.5	48.0	
CS-59	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	41.8	41.8	<10.0	41.8	48.0	
CS-60	12/15/2023	3	Excavated	< 0.050	2.49	<10.0	695	695	62.0	757	112	
CS-60A	4/12/2024	5	In-Situ	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	477	
CS-61	12/15/2023	3	Excavated	< 0.050	< 0.300	<10.0	112	112	<10.0	122	80.0	
CS-61A	4/12/2024	5	Excavated	< 0.00201	< 0.00402	<49.8	753	753	<49.8	753	481	
CS 61 B @ 6'	8/26/2024	6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320	

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources
Outland 14-23 State 2BS 2H
NMOCD Ref. #: NOY1831140454 (1RP-5260)

NMOCD Ref. #: NOY1831140454 (1RP-5260)												
	CD Closure C			10	50	-	-	1,000	-	2,500	20,000	
NMOCD	NMOCD Reclamation Standard			10	50	-	-	-	-	100	600	
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)	
CS-62	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	16.0	16.0	<10.0	16.0	288	
CS-63	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	82.9	82.9	<10.0	82.9	144	
CS-64	12/15/2023	3	Excavated	< 0.050	< 0.300	<10.0	242	242	<10.0	242	96.0	
CS-64A	4/12/2024	4	In-Situ	< 0.00200	< 0.00401	<50.3	50.8	50.8	<50.3	50.8	150	
CS-65	12/15/2023	3	Excavated	< 0.050	< 0.300	<10.0	111	111	<10.0	111	32.0	
CS-65A	4/12/2024	5	In-Situ	< 0.00199	< 0.00398	< 50.2	< 50.2	< 50.2	< 50.2	< 50.2	102	
CS-66	12/15/2023	3	Excavated	< 0.050	< 0.300	<10.0	183	183	<10.0	183	320	
CS-66A	4/12/2024	5	In-Situ	< 0.00200	< 0.00399	< 50.4	< 50.4	< 50.4	< 50.4	< 50.4	69.1	
CS-67	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	21.2	21.2	<10.0	21.2	<16.0	
CS-68	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	43.7	43.7	<10.0	43.7	400	
CS-69	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	79.8	79.8	<10.0	79.8	144	
CS-70	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-71	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-72	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-73	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-74	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-75	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-76	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-77	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-78	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
CS-79	12/15/2023	5	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656	
CS-79A	4/12/2024	6	Excavated	< 0.00198	< 0.00396	<50.5	74.3	74.3	<50.5	74.3	7,240	
CS 79 B @ 11'	8/28/2024	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
CS-80	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
CS-81	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-82	12/15/2023	5	Excavated		< 0.300	<10.0	22.8	22.8	<10.0	22.8	1,260	
CS-82A	4/12/2024	9		< 0.00199		<50.0	<50.0	<50.0	<50.0	<50.0	4,510	
CS 82 B @ 10'		10		<0.050		<10.0	<10.0	<20.0	<10.0	<30.0	224	
CS-83	12/15/2023	5	In-Situ	< 0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-84	12/15/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-85	12/15/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
CS-86	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
CS-87	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
CS-88	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-89	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-90	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576	
CS-91	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320	
CS-92	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-93	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
CS-94	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352	
CS-95	12/15/2023	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	

# Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Permian Resources Outland 14-23 State 2BS 2H

NMOCD   Clearation   Standard	NMOCD Ref. #: NOY1831140454 (1RP-5260)											
Sample ID	NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	20,000
Sample   Date   Date   Date   Open	NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
CS-96   1215/2023   10   In-Situ   0.050   0.0300   0.100					SW 840	6 8021B		SW 846 8015M Ext.				4500 Cl
CS-97	Sample ID	Date	_				$C_{6}$ - $C_{10}$	C <sub>10</sub> -C <sub>28</sub>	DRO C <sub>6</sub> -C <sub>28</sub>	C <sub>28</sub> -C <sub>36</sub>	C <sub>6</sub> -C <sub>36</sub>	
CS-98	CS-96	12/15/2023	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-98A   4/12/2024   5   Exercised   <a block"="" href="#right-color: red; color: red;&lt;/td&gt;&lt;td&gt;CS-97&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;10&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;80.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS - 98A @ 13'   10/14/2024   13&lt;/td&gt;&lt;td&gt;CS-98&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;2&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;92.7&lt;/td&gt;&lt;td&gt;92.7&lt;/td&gt;&lt;td&gt;20.5&lt;/td&gt;&lt;td&gt;113&lt;/td&gt;&lt;td&gt;3,440&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-99&lt;/td&gt;&lt;td&gt;CS-98A&lt;/td&gt;&lt;td&gt;4/12/2024&lt;/td&gt;&lt;td&gt;5&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.00200&lt;/td&gt;&lt;td&gt;&lt; 0.00399&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;3,370&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-99A   4/12/2024   5   Exercised   0.00202   0.00403   5.0.5   5.0&lt;/td&gt;&lt;td&gt;CS - 98A @ 13'&lt;/td&gt;&lt;td&gt;10/14/2024&lt;/td&gt;&lt;td&gt;13&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;20.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;30.0&lt;/td&gt;&lt;td&gt;16.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;CS - 99A @ 12*         10·14/2024         12         In-Situ         &lt;0.050&lt;/th&gt;         &lt;0.300&lt;/th&gt;         &lt;10.0&lt;/th&gt;         &lt;20.0&lt;/th&gt;         &lt;10.0&lt;/th&gt;         &lt;30.0&lt;/th&gt;         &lt;16.0&lt;/th&gt;           CS-100         12/15/2023         4         In-Situ         &lt;0.050&lt;/td&gt;         &lt;0.300&lt;/td&gt;         &lt;10.0&lt;/td&gt;         &lt;10.0&lt;/td&gt;         &lt;10.0&lt;/td&gt;         &lt;10.0&lt;/td&gt;         &gt;96.0           CS-101         12/15/2023         4         In-Situ         &lt;0.050&lt;/td&gt;         &lt;0.300&lt;/td&gt;         &lt;10.0&lt;/td&gt;         &lt;1&lt;/td&gt;&lt;td&gt;CS-99&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;2&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;44.1&lt;/td&gt;&lt;td&gt;44.1&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;44.1&lt;/td&gt;&lt;td&gt;1,920&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-100&lt;/td&gt;&lt;td&gt;CS-99A&lt;/td&gt;&lt;td&gt;4/12/2024&lt;/td&gt;&lt;td&gt;5&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.00202&lt;/td&gt;&lt;td&gt;&lt; 0.00403&lt;/td&gt;&lt;td&gt;&lt;50.5&lt;/td&gt;&lt;td&gt;&lt;50.5&lt;/td&gt;&lt;td&gt;&lt;50.5&lt;/td&gt;&lt;td&gt;&lt;50.5&lt;/td&gt;&lt;td&gt;&lt;50.5&lt;/td&gt;&lt;td&gt;2,810&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-101&lt;/td&gt;&lt;td&gt;CS - 99A @ 12'&lt;/td&gt;&lt;td&gt;10/14/2024&lt;/td&gt;&lt;td&gt;12&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;20.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;30.0&lt;/td&gt;&lt;td&gt;&lt;16.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-102&lt;/td&gt;&lt;td&gt;CS-100&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;4&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;96.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-103&lt;/td&gt;&lt;td&gt;CS-101&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;4&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;96.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-104&lt;/td&gt;&lt;td&gt;CS-102&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;4&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;80.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-105&lt;/td&gt;&lt;td&gt;CS-103&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;4&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;32.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS 105 @ 29'   10/16/2024   29   In-Situ   &lt;0.050   &lt;0.300   &lt;10.0   &lt;10.0  &lt;/td&gt;&lt;td&gt;CS-104&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;4&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;16.5&lt;/td&gt;&lt;td&gt;16.5&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;16.5&lt;/td&gt;&lt;td&gt;128&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-106&lt;/td&gt;&lt;td&gt;CS-105&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;15&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;32.4&lt;/td&gt;&lt;td&gt;32.4&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;32.4&lt;/td&gt;&lt;td&gt;3,040&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-107&lt;/td&gt;&lt;td&gt;CS 105 @ 29'&lt;/td&gt;&lt;td&gt;10/16/2024&lt;/td&gt;&lt;td&gt;29&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;20.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;30.0&lt;/td&gt;&lt;td&gt;16.0&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-108&lt;/td&gt;&lt;td&gt;CS-106&lt;/td&gt;&lt;td&gt;12/15/2023&lt;/td&gt;&lt;td&gt;5&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;256&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS - 108 @ 2'   10/14/2024   2   In-Situ   &lt;0.050   &lt;0.300   &lt;10.0   13.8   13.8   &lt;10.0   13.8   272    &lt;/td&gt;&lt;td&gt;CS-107&lt;/td&gt;&lt;td&gt;4/12/2024&lt;/td&gt;&lt;td&gt;5&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.00200&lt;/td&gt;&lt;td&gt;&lt; 0.00401&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;&lt;49.9&lt;/td&gt;&lt;td&gt;52.7&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-109&lt;/td&gt;&lt;td&gt;CS-108&lt;/td&gt;&lt;td&gt;4/12/2024&lt;/td&gt;&lt;td&gt;3&lt;/td&gt;&lt;td&gt;Excavated&lt;/td&gt;&lt;td&gt;&lt; 0.00200&lt;/td&gt;&lt;td&gt;&lt; 0.00399&lt;/td&gt;&lt;td&gt;&lt;49.8&lt;/td&gt;&lt;td&gt;&lt;49.8&lt;/td&gt;&lt;td&gt;&lt;49.8&lt;/td&gt;&lt;td&gt;&lt;49.8&lt;/td&gt;&lt;td&gt;&lt;49.8&lt;/td&gt;&lt;td&gt;617&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;  CS-110&lt;/td&gt;&lt;td&gt;CS - 108 @ 2'&lt;/td&gt;&lt;td&gt;10/14/2024&lt;/td&gt;&lt;td&gt;2&lt;/td&gt;&lt;td&gt;In-Situ&lt;/td&gt;&lt;td&gt;&lt; 0.050&lt;/td&gt;&lt;td&gt;&lt; 0.300&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;13.8&lt;/td&gt;&lt;td&gt;13.8&lt;/td&gt;&lt;td&gt;&lt;10.0&lt;/td&gt;&lt;td&gt;13.8&lt;/td&gt;&lt;td&gt;272&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;math display="> \begin{array}{c ccccccccccccccccccccccccccccccccccc</a>	CS-109	4/12/2024	9	In-Situ	< 0.00199	< 0.00398	<50.0	< 50.0	<50.0	<50.0	<50.0	196
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CS-110	4/12/2024	5	In-Situ	< 0.00200	< 0.00400	<50.2	< 50.2	<50.2	<50.2	< 50.2	185
CS 113 @ 12'   10/14/2024   12   In-Situ   <0.050   <0.300   <10.0   <10.0   <20.0   <10.0   <30.0   <16.0	CS 111 @ 12'	10/14/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	CS 112 @ 13'	10/14/2024	13	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
CS 115 @ 12' 10/16/2024 12 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <20.0 <10.0 <30.0 <16.0 CS 116 @ 12' 10/16/2024 12 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <20.0 <10.0 <30.0 <16.0 CS 116 @ 12' 10/16/2024 12 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <20.0 <10.0 <30.0 <16.0 FL 1 @ 10' 8/26/2024 10 In-Situ <0.050 <0.300 <10.0 <10.0 <10.0 <20.0 <10.0 <30.0 400 MW1 8/26/2024 0-10 In-Situ <0.050 <0.300 <10.0 <10.0 <10.0 <20.0 <10.0 <30.0 80.0 SW-1 12/15/2023 0-1 In-Situ <0.050 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 496 SW-2 12/15/2023 1-3 In-Situ <0.050 <0.300 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 10.0	CS 113 @ 12'	10/14/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	CS 114 @ 12'	10/14/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 1 @ 10'         8/26/2024         10         In-Situ         <0.050         <0.300         <10.0         <20.0         <10.0         <30.0         400           NW1         8/26/2024         0-10         In-Situ         <0.050	CS 115 @ 12'	10/16/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW1         8/26/2024         0-10         In-Situ         <0.050         <0.300         <10.0         <20.0         <10.0         <30.0         80.0           SW-1         12/15/2023         0-1         In-Situ         <0.050	CS 116 @ 12'	10/16/2024	12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW-1         12/15/2023         0-1         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	FL 1 @ 10'	8/26/2024	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
SW-2         12/15/2023         1-3         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	NW1	8/26/2024	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW-3         12/15/2023         0-1         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	SW-1	12/15/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-4         12/15/2023         1-3         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	SW-2	12/15/2023	1-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SW-5         12/15/2023         0-3         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	SW-3	12/15/2023	0-1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-5         12/15/2023         0-3         In-Situ         <0.050         <0.300         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0         <10.0	SW-4	12/15/2023	1-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-6         12/15/2023         0-3         In-Situ         <0.050	SW-5	12/15/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-8       12/15/2023       0-3       In-Situ       <0.050       <0.300       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0       <10.0	SW-6	12/15/2023	0-3	In-Situ	< 0.050		<10.0	13.4	13.4	<10.0	13.4	16.0
SW-9     12/15/2023     0-2     Excavated     <0.050     <0.300     <10.0     <10.0     <10.0     <10.0     <10.0     10,700       SW-9A     4/12/2024     0-5     In-Situ     <0.00200	SW-7	12/15/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-9A     4/12/2024     0-5     In-Situ     <0.00200	SW-8	12/15/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SW-9A     4/12/2024     0-5     In-Situ     <0.00200	SW-9	12/15/2023	0-2	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10,700
SW-10   12/15/2023   0-3   Excavated   <0.050   <0.300   <10.0   <10.0   <10.0   <10.0   <10.0   <10.0   1,790	SW-9A	4/12/2024	0-5	In-Situ	< 0.00200	< 0.00400	<50.3	<50.3	<50.3	<50.3	<50.3	104
SW-11   12/15/2023   0-3   In-Situ   <0.050   <0.300   <10.0   <10.0   <10.0   <10.0   <10.0   <0.0   80.0	SW-10	12/15/2023	0-3	Excavated	< 0.050	< 0.300						1,790
	SW-11	12/15/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

# Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Permian Resources Outland 14-23 State 2BS 2H NMOCD Ref. #: NOY1831140454 (1RP-5260)

NMO	CD Closure C	riteria	1 1171	10	50	-	-	1,000	_	2,500	20,000
	Reclamation			10	50	-	-	-	-	100	600
					6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SW-12	12/15/2023	0-3	Excavated	< 0.050	< 0.300	<10.0	308	308	66.8	375	384
SW-12A	4/12/2024	0-6	Excavated	< 0.00200	< 0.00401	< 50.1	239	239	< 50.1	239	7,590
SW-13	12/15/2023	6-9	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	784
SW-13A	4/12/2024	6-9	Excavated	< 0.00201	< 0.00402	< 50.4	< 50.4	< 50.4	< 50.4	< 50.4	2,890
SW-13B	10/16/2024	6-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SW-14	12/15/2023	6-9	Excavated	< 0.050	< 0.300	<10.0	35.8	35.8	<10.0	35.8	1,280
SW-14A	4/12/2024	9-12	Excavated	< 0.00202	< 0.00403	< 50.5	< 50.5	< 50.5	< 50.5	< 50.5	1,340
SW-14B	10/16/2024	9-12	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW-15	12/15/2023	3-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-16	12/15/2023	3-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-17	12/15/2023	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-18	12/15/2023	3-4	Excavated	< 0.050	< 0.300	<10.0	153	153	38.1	191	656
SW-18A	4/12/2024	3-4	In-Situ	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	242
SW-19	12/15/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	12.7	12.7	<10.0	12.7	448
SW-20	12/15/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW-21	12/15/2023	2-5	Excavated	< 0.050	< 0.300	<10.0	169	169	25.3	194	1,360
SW-22	12/15/2023	0-5	Excavated	< 0.050	< 0.300	<10.0	112	112	18.9	131	13,000
SW-23	12/15/2023	0-5	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
SW-23A	4/12/2024	0-5	In-Situ	< 0.903	<1.80	<49.9	<49.9	<49.9	<49.9	<49.9	135
SW-24	12/15/2023	0-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW-25	12/15/2023	3-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-26	12/15/2023	5-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-27	12/15/2023	3-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-28	12/15/2023	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-29	12/15/2023	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-30	12/15/2023	0-6	Excavated	< 0.050	< 0.300	<10.0	167	167	11.6	179	208
SW-30A	4/12/2024	0-9	In-Situ	< 0.909	<1.82	<50.1	< 50.1	< 50.1	<50.1	< 50.1	195
SW-31	12/15/2023	0-9	Excavated	< 0.050	< 0.300	<10.0	239	239	<10.0	239	240
SW-31A	4/12/2024		In-Situ	< 0.909	<1.82	<50.4	<50.4	<50.4	<50.4	<50.4	486
SW-32	12/15/2023	0-6	Excavated	0.000	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
SW-32A	4/12/2024	0-6	Excavated	< 0.902	<1.80	<50.5	75.8	75.8	<50.5	75.8	3,590
SW - 32 B	10/14/2024	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
SW-33	12/15/2023	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-34	12/15/2023	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SW-35	12/15/2023	3-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-36	12/15/2023	0-3	Excavated	0.000	< 0.300	<10.0	1,260	1,260	<10.0	1,260	304
SW-36A	4/12/2024	0-3	Excavated		<1.81	<49.8	281	281	<49.8	281	772
SW 36 B	8/28/2024	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW-37	12/15/2023	0-3	Excavated	< 0.050	< 0.300	<10.0	114	114	<10.0	114	288
SW-37A	4/12/2024	0-3	Excavated	< 0.913	<1.83	<50.0	513	513	< 50.0	513	118
SW 37 B	8/28/2024	0-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	272

# Table 1 Concentrations of BTEX, TPH, and Chloride in Soil Permian Resources Outland 14-23 State 2BS 2H NMOCD Ref. #: NOY1831140454 (1RP-5260)

NMO	CD Closure C	riteria	1 (17)	10	50	-	- (1K1-320	1,000	_	2,500	20,000
	Reclamation			10	50	-	-	-	-	100	600
					6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SW-38	12/15/2023	0-3	Excavated	< 0.050	< 0.300	<10.0	291	291	<10.0	291	272
SW-38A	4/12/2024	0-3	Excavated	< 0.916	<1.83	<49.9	<49.9	<49.9	<49.9	<49.9	1,020
SW 38 E	8/26/2024	0-3	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW-39	12/15/2023	0-3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
SW-39A	4/12/2024	0-5	In-Situ	< 0.00200	< 0.00399	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	255
SW-40	12/15/2023	0-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-41	12/15/2023	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-42	12/15/2023	3-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-43	12/15/2023	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-44	12/15/2023	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-45	12/15/2023	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-46	12/15/2023	0-5	Excavated	< 0.050	< 0.300	<10.0	81.1	81.1	21.0	102	480
SW-47	4/12/2024	0-10	Excavated	< 0.00200	< 0.00401	< 50.1	96.4	96.4	< 50.1	96.4	712
SW 47 B	8/26/2024	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	224
SW-48	4/12/2024	3-4	In-Situ	< 0.00201	< 0.00402	< 50.4	< 50.4	< 50.4	< 50.4	< 50.4	576
SW-49	4/12/2024	3-4	In-Situ	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	217
SW-50	4/12/2024	3-5	In-Situ	< 0.00200	< 0.00399	<49.8	84.1	84.1	<49.8	84.1	293
SW-51	4/12/2024	5-9	In-Situ	< 0.00199	< 0.00398	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	5,760
SW-52	4/12/2024	5-6	Excavated	< 0.907	<1.81	< 50.0	408	408	< 50.0	408	20,400
SW 52 A	8/27/2024	5-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SW-53	4/12/2024	0-5	Excavated	< 0.902	<1.80	< 50.1	137	137	< 50.1	137	3,660
SW-54	4/12/2024	3-6	Excavated	< 0.909	<1.82	< 50.4	58.6	58.6	< 50.4	58.6	13,300
SW-54B	10/16/2024	3-6	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SW-55	4/12/2024	3-5	Excavated	< 0.909	<1.82	<50.4	< 50.4	< 50.4	< 50.4	< 50.4	2,370
SW-55B	10/16/2024	3-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
SW-56	4/12/2024	3-9	In-Situ	< 0.902	<1.80	< 50.3	< 50.3	< 50.3	< 50.3	< 50.3	65.9
SW-57	4/12/2024	9-10	In-Situ	< 0.905	<1.81	<49.7	<49.7	<49.7	<49.7	<49.7	405
SW-58	4/12/2024	4-10	In-Situ	< 0.913	<1.83	<49.6	<49.6	<49.6	<49.6	<49.6	51.4
SW-59	4/12/2024			< 0.916	<1.83	<50.0	<50.0	<50.0	<50.0	<50.0	388
SW-60	4/12/2024	9-10	Excavated	0.700	<1.80	<50.4	243	243	<50.4	243	1,010
SW-61	4/12/2024	0-10	Excavated			<49.6	101	101	<49.6	101	570
SW 61 B	8/29/2024	0-10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-62	4/12/2024	6-9	Excavated	< 0.00202	< 0.00403	< 50.2	60.0	60.0	< 50.2	60.0	3,440
SW-62B	10/16/2024	6-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW-63	4/12/2024	3-9	Excavated	< 0.00200		<49.7	65.5	65.5	<49.7	65.5	2,440
SW-63B	10/16/2024	3-9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
SW-64	4/12/2024	5-6			< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	42.0
SW-65	4/12/2024	5-6	In-Situ	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	139
TP-1	12/15/2023	0	Excavated	< 0.050	< 0.300	<10.0	42.3	42.3	<10.0	42.3	1,120
TP-1	12/15/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
TP-1	12/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224

#### Table 1

#### Concentrations of BTEX, TPH, and Chloride in Soil

#### Permian Resources

#### Outland 14-23 State 2BS 2H

#### NMOCD Ref. #: NOY1831140454 (1RP-5260)

NMO	CD Closure C	riteria	1 (1/2	10	50		(1111 020	1,000		2,500	20,000
	Reclamation			10	50		_	1,000	-	100	600
NWOCD	Rectamation	Standard				-		-	-	100	
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	$\begin{array}{c} {\rm GRO} + \\ {\rm DRO} \\ {\rm C_6\text{-}C_{28}} \\ {\rm (mg/kg)} \end{array}$	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	4500 Cl Chloride (mg/kg)
TP-2	12/15/2023	0	In-Situ	< 0.050	< 0.300	<10.0	81.8	81.8	<10.0	81.8	336
TP-2	12/15/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
TP-2	12/15/2023	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
TP-3	12/15/2023	3	In-Situ	< 0.050	< 0.300	<10.0	26.4	26.4	<10.0	26.4	16.0
TP-3	12/15/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
TP-3	12/15/2023	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
TP-4	12/15/2023	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
TP-4	12/15/2023	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
D-1	4/12/2024	0	Excavated	< 0.00200	< 0.00399	<49.6	<49.6	<49.6	<49.6	<49.6	143
D-2	6/3/2024	7	Excavated	< 0.050	< 0.300	<10.0	16.6	16.6	<10.0	16.6	10,400
D-2	6/3/2024	9	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
D-2	6/3/2024	11	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
D-2	6/3/2024	13	Excavated	< 0.050	< 0.300	<10.0	20.0	20.0	13.9	33.9	64.0
D-3	6/3/2024	10	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
D-3	6/3/2024	12	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
D-4	6/3/2024	7	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,840
D-4	6/3/2024	9	Excavated	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
D-4	6/3/2024	11	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
D-4	6/3/2024	13	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Merchant Outland Pit	9/4/2024	N/A	Backfill	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

## Appendix A Depth to Groundwater and NMOCD Siting Information



## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4 S	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep		
<u>CP 01848 POD2</u>		CP	LE	4	3	1 1	13	21S	34E	647587	3594789	1604	96	80	16
<u>CP 01848 POD3</u>		CP	LE	2	4	1 1	13	21S	34E	647904	3594858	1883	87	70	17
<u>CP 00089</u>	О	CP	LE		2	1 1	13	21S	34E	647840	3594615	1905	235		
<u>CP 01366 POD1</u>		CP	LE	4	4	1	16	21S	34E	643196	3594698	2974	180	110	70
<u>CP 01671 POD1</u>		CP	LE	2	4	1 1	16	21S	34E	643108	3594887	3024	157		
<u>CP 01364 POD1</u>		CP	LE	4	2	3	16	21S	34E	643147	3594331	3126	165	105	60
CP 00590 POD1		CP	LE			(	01	21S	34E	648099	3597829*	3168	79		

Average Depth to Water:

91 feet

Minimum Depth:

70 feet

Maximum Depth:

110 feet

Record Count: 7

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 646093.22 **Northing (Y):** 3595376.14 **Radius:** 3220

\*UTM location was derived from PLSS - see Help

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

6/21/24 10:24 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## **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

 $\mathbf{X}$ 

CP 00089 13 21S 34E

647840 3594615

**Driller License: Driller Company:** 

**Driller Name: BUCK THERIAE** 

**Drill Start Date:** 08/28/1943 **Drill Finish Date:** Plug Date:

Log File Date: **PCW Rcv Date:** Shallow Source:

**Pump Type:** Pipe Discharge Size: **Estimated Yield: Casing Size:** 7.00 Depth Well: 235 feet Depth Water:

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, or suitability for any particular purpose of the data.

6/21/24 10:24 AM

POINT OF DIVERSION SUMMARY



## **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

CP 00590 POD1 21S 34E

648099 3597829\*

**Driller License: Driller Company: UNKNOWN** 

**Driller Name:** 

**Drill Start Date: Drill Finish Date:** Plug Date:

Log File Date: **PCW Rcv Date:** Source: Shallow **Pump Type:** Pipe Discharge Size: Estimated Yield: 3 GPM

**Casing Size:** Depth Well: 79 feet Depth Water: 6.63

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, or suitability for any particular purpose of the data.

6/21/24 10:24 AM

POINT OF DIVERSION SUMMARY

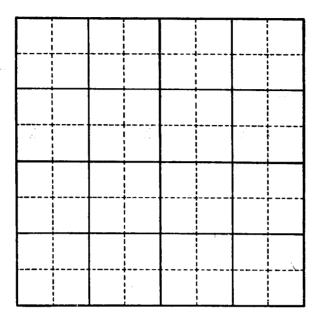
<sup>\*</sup>UTM location was derived from PLSS - see Help

## Declaration of Owner of Underground Water Right

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

	CAPITAN E			
claration No	CP-590	BASIN NAMEDate received	Anril 17, 1970	
CIATALION NO	<u> </u>	Date received P	13.74	PH 3 hg
		STATEMENT	to mn Eg	PH 3 09
Name of Declara	ant THE MERCHANT L	IVESTOCK COMPANY		
	P.O. Box 548		STATE ENGINE	ER OFFICE
County of			MexicoNTA FE, N	M. 87501
	supplyshallow	(artesian or shallow water a	aguifer)	
	tion under one of the following sub		07 (	_
a	¼ ¼ Lot 16 ;	/4 of Sec Twp ounty.	21 S Rge. 34	E N.M.P.M., in
b. Tract No	of Map No.	of the		
c. X =	feet, Y =	feet, N. M. Coordinate		_
	1 by			Grant.
Description of	well: date drilled191]	Ldriller	depth <b>79</b>	feet.
outside diamete	er of casing 5/8 inches; orig	ginal capacity gal.	per min.: present capacity	, a
				<del></del>
	umping liftfeet; static	·		
make and type	of pump			
make, type, ho	rsepower, etc., of power plant_	***************************************		
Fractitional or	percentage interest claimed in	well		
Quantity of wat	er appropriated and beneficially	used	up to	3
		(REKENDED DE DEUTENOK)	(acre feet per a	innum)
for stock	water			purposes.
		stock only	The Merchant	Livesto
(N	ote: location of well and acreage a	ctually irrigated must be shown on		
			7017 >	
water was Hrst	applied to beneficial usem	onth day		since that time
nas been used f	ully and continuously on all of	the above described lands or fo	or the above described pur	rposes except
as follows:			F 2	
			Z Z Z	
			<u>₹ 6</u> 0	
			· ਜ	
	ments or explanations		<u> </u>	
name	of well - Jeff Da	Vis		
			1/	1.60
, J. D. M	erchant In Desc	gidant	54(	0608
depose and say	erchant, Jr., Presthat the above is a full and com	STUBIIC	being first duly sworn	upon my oath,
verse side of thi	is form and submitted in evidence	ce of ownership of a valid under	erground water sight that I	have
read each and al	l of the items contained therein	and that the same are true to t	the best of my knowledge	and belief.
Š	37 3 0 6	THE MERCHANT	LIVESTOCK GO.	, declarant.
100	がいるというとは	by: In Me	rchant 1	•
scribed and res	La Tolonia Dia San Dia	J. Merc	chant, Jr., Pre	esident

Locate	well	and areas	actually	irrigated	8.5	accurately	8.5	possible	on	following plat:			
Section	<b>(8)</b>	······		Township				Range .			N. 1	l. P	. M.



#### INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

- Sec. 4. Fill out all blanks applicable as fully as possible.
- Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal. or other purposes, state total quantity in acre feet used annually.
- Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located on unsurveyed lands, describe by legal supdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.
- Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.
- Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

#### April 17, 1979

Files: CP-584; CF-583; CP-586; CP-587; CF-588; CF-589; CP-590; CP-591; CP-592; CP-593; CP-594; CP-595; CP-596; CF-597; CP-598; CP-599; CP-600; CP-601; CP-602

The Merchant Livestock Company P. O. Box 548 Carlabad, MI 88220

#### Gentlemen:

Unclosed are your copies of Declarations of Owner of Underground fater Night as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to each individual number in all future correspondence concerning these declarations.

The filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Yours very truly,

J. C. Groseclose Basin Supervisor

JCG/fh Encls. cc: Janta Fe



## **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

21S 34E

X

CP 01364 POD1 16 643147 3594331

**Driller License:** 421 **Driller Company:** GLENN'S WATER WELL SERVICE

**Driller Name: CORKY GLENN** 

**Drill Start Date:** 06/24/2015 **Drill Finish Date:** 06/24/2015 **Plug Date:** 

Log File Date: **PCW Rcv Date:** 04/27/2017 06/26/2015 Source: Shallow 3 **Pump Type: SUBMER Pipe Discharge Size: Estimated Yield:** 35 GPM **Casing Size:** Depth Well: 165 feet Depth Water: 8.63 105 feet

> Water Bearing Stratifications: Top **Bottom Description**

> > 105 153 Sandstone/Gravel/Conglomerate

18280 **SEAMETRICS Meter Number:** Meter Make:

Meter Serial Number: 05 212 614 **Meter Multiplier:** 1.0000 **Number of Dials: Meter Type:** Diversion

**Unit of Measure:** Barrels 42 gal. **Return Flow Percent:** 

**Usage Multiplier: Reading Frequency:** Monthly

#### **Meter Readings (in Acre-Feet)**

Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
2015	0	A	ap	0
2015	49879	A	ap	64.291
2015	50233	A	ap	0.456
2015	50233	A	ap	0
2015	50233	A	ap	0
2015	52676	A	ap	3.149
2016	97694	A	ap	58.025
2016	131190	A	ap	43.174
2016	155986	A	ap	31.960
2016	161887	A	ap	7.606
2016	174036	A	ap	15.659
2016	180596	A	ap	8.455
2016	200991	A	ap	26.288
2016	200991	A	ap	0
2017	200991	A	ap	0
2017	200991	A	ap	0
2017	200991	A	ap	0
2017	200991	A	ap	0
2017	200991	A	ap	0
2017	239371	A	ap	49.469
2017	284859	A	ap	58.631
2017	307429	A	ap	29.091
	2015 2015 2015 2015 2015 2016 2016 2016 2016 2016 2016 2016 2017 2017 2017 2017 2017 2017	2015       0         2015       49879         2015       50233         2015       50233         2015       50233         2015       52676         2016       97694         2016       131190         2016       155986         2016       161887         2016       174036         2016       200991         2016       200991         2017       200991         2017       200991         2017       200991         2017       200991         2017       200991         2017       200991         2017       239371         2017       284859	2015 0 A 2015 49879 A 2015 50233 A 2015 50233 A 2015 50233 A 2015 50233 A 2015 52676 A 2016 97694 A 2016 131190 A 2016 155986 A 2016 161887 A 2016 174036 A 2016 200991 A 2016 200991 A 2017 200991 A	2015

12/30/2017	2017	465973	A	ap	204.353
01/30/2018	2018	490805	A	ap	32.007
02/28/2018	2018	503452	A	ap	16.301
03/30/2018	2018	519955	A	ap	21.271
04/30/2018	2018	539357	A	ap	25.008
06/01/2018	2018	573740	A	ap	44.317
06/29/2018	2018	603789	A	ap	38.731
07/31/2018	2018	603864	A	ap	0.097
08/30/2018	2018	636674	A	ap	42.290
09/30/2018	2018	664748	A	ap	36.185
11/30/2018	2018	688316	A	ap	30.378
01/02/2019	2018	700034	A	ca	1.510
02/01/2019	2019	700230	A	RPT	0.025
08/01/2019	2019	781145	A	RPT	10.429
09/01/2019	2019	781188	A	RPT	0.006
09/30/2019	2019	795696	A	RPT	1.870
10/31/2019	2019	829344	A	RPT	4.337
11/30/2019	2019	854139	A	RPT	3.196
12/31/2019	2019	868898	A	RPT	1.902
02/01/2020	2020	892649	A	RPT	3.061
03/01/2020	2020	909531	A	RPT	2.176
04/01/2020	2020	924970	A	RPT	1.990
05/01/2020	2020	924970	A	RPT	0
06/01/2020	2020	924970	A	RPT	0
08/01/2020	2020	936094	A	RPT	1.434
09/01/2020	2020	942895	A	RPT	0.877
10/01/2020	2020	942895	A	RPT	0
10/31/2020	2020	943082	A	WEB	0.024 X
11/30/2020	2020	943082	A	WEB	0 X
12/31/2020	2020	994754	A	WEB	6.660 X
01/30/2021	2021	996172	A	ad	0.183
02/28/2021	2021	1017693	A	ad	2.774
03/31/2021	2021	1026468	A	ad	1.131
04/30/2021	2021	1028037	A	ad	0.202
05/31/2021	2021	1060431	A	ad	4.175
06/30/2021	2021	1123906	A	ad	8.182
07/31/2021	2021	1123906	A	ad	0
08/31/2021	2021	16462	A	ad	0
08/31/2021	2021	1143586	A	ad	2.537
09/30/2021	2021	30978	A	ad	1.871
10/31/2021	2021	30979	A	ad	0
11/30/2021	2021	30979	A	ad	0
12/31/2021	2021	30979	A	ad	0
01/31/2022	2022	30979	A	ad	0
02/28/2022	2022	32692	A	ad	0.221
03/31/2022	2022	60131	A	ad	3.537
04/30/2022	2022	77450	A	ad	2.232
06/01/2022	2022	132325	A	ad	7.073
07/01/2022	2022	149721	A	ad	2.242

00/04/2025	2022	4 40 == -	,	_
08/01/2022	2022	149721	A	ad
09/01/2022	2022	149721	A	ad
11/01/2022	2022	278838	A	WEB
12/01/2022	2022	292073	A	WEB
01/01/2023	2022	317352	A	WEB
02/01/2023	2023	317353	A	WEB
03/01/2023	2023	339287	A	WEB
04/01/2023	2023	339287	A	WEB
05/01/2023	2023	381819	A	WEB
06/01/2023	2023	430440	A	WEB
07/01/2023	2023	436246	A	WEB
08/01/2023	2023	449633	A	WEB
09/01/2023	2023	484855	A	WEB
10/01/2023	2023	484855	A	WEB
11/01/2023	2023	531043	A	WEB
12/01/2023	2023	531043	A	WEB
01/01/2024	2023	543751	A	WEB
02/01/2024	2024	543751	A	WEB
03/01/2024	2024	543751	A	WEB
04/01/2024	2024	543751	A	WEB
05/01/2024	2024	543751	A	WEB
06/07/2024	2024	543751	A	WEB
**YTD Meto	er Amounts:	Year		Amount
		2015		67.896
		2016		191.167
		2017		341.544
		2018		288.095
		2019		21.765
		2020		16.222
		2021		21.055
		2022		36.911
		2023		29.180

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POINT OF DIVERSION SUMMARY



## **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

4 4 1 16 21S 34E

**X Y** 643196 3594698

Driller License: 421 Driller Company: GLENN'S WATER WELL SERVICE

**Driller Name:** CORKY GLEN

CP 01366 POD1

**Drill Start Date:** 06/19/2015 **Drill Finish Date:** 06/19/2015 **Plug Date:** 

Log File Date: **PCW Rcv Date:** 04/27/2017 06/26/2015 Source: Shallow 35 GPM **Pump Type: SUBMER Pipe Discharge Size: Estimated Yield: Casing Size:** Depth Well: 180 feet Depth Water: 8.63 110 feet

Water Bearing Stratifications: Top Bottom Description

110 160 Sandstone/Gravel/Conglomerate

Meter Number: 18281 Meter Make: SEAMETRICS

Meter Serial Number:05 212 606Meter Multiplier:1.0000Number of Dials:8Meter Type:Diversion

Unit of Measure: Barrels 42 gal. Return Flow Percent:

**Usage Multiplier:** Reading Frequency: Monthly

**Meter Readings (in Acre-Feet)** 

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Onlin	e
07/01/2015	2015	0	A	ap		0	
07/27/2015	2015	26985	A	ap		34.782	
08/31/2015	2015	26985	A	ap		0	
09/30/2015	2015	26985	A	ap		0	
10/31/2015	2015	26985	A	ap		0	
11/30/2015	2015	29343	A	ap		3.039	
04/28/2016	2016	70297	A	ap		52.787	
06/30/2016	2016	101474	A	ap		40.185	
06/30/2016	2016	0	A	ap	new meter on old base	0	
07/27/2016	2016	22719	A	ap		292.833	
09/01/2016	2016	27505	A	ap		61.688	
09/28/2016	2016	40240	A	ap		164.146	
11/29/2016	2016	46546	A	ap		81.280	
11/29/2016	2016	64235	A	ap		227.999	
12/31/2016	2016	64235	A	ap		0	
02/01/2017	2017	64235	A	ap		0	
03/01/2017	2017	64235	A	ap		0	
03/31/2017	2017	64235	A	ap		0	
05/01/2017	2017	64235	A	ap		0	
05/31/2017	2017	64235	A	ap		0	
07/31/2017	2017	99062	A	ap		448.897	
10/31/2017	2017	147627	A	ap		625.970	

11/30/2017	2017	165441	A	ар	229.610
12/30/2017	2017	197744	A	ap	416.364
01/30/2018	2018	215118	A	ap	223.939
02/28/2018	2018	226825	A	ap	150.895
03/30/2018	2018	242179	A	ap	197.903
04/30/2018	2018	259935	A	ap	228.863
06/01/2018	2018	291863	A	ap	411.530
06/29/2018	2018	320334	A	ap	366.972
07/31/2018	2018	320335	A	ap	0.013
08/30/2018	2018	349558	A	ap	376.665
09/30/2018	2018	372983	A	ap	301.932
11/30/2018	2018	393314	A	ар	262.053
01/02/2019	2018	415950	A	RPT	2.918
02/01/2019	2019	446864	A	RPT	3.985
08/01/2019	2019	519535	A	RPT	9.367
09/30/2019	2019	532181	A	RPT	1.630
10/31/2019	2019	558235	A	RPT	3.358
11/30/2019	2019	581962	Α	RPT	3.058
12/31/2019	2019	595185	A	RPT	1.704
02/01/2020	2020	605584	A	RPT	1.340
03/01/2020	2020	618205	Α	RPT	1.627
06/01/2020	2020	630926	A	RPT	1.640
08/01/2020	2020	643456	A	RPT	1.615
09/01/2020	2020	650901	Α	RPT	0.960
10/01/2020	2020	650901	Α	RPT	0
10/31/2020	2020	652012	Α	WEB	0.143 X
11/30/2020	2020	652012	Α	WEB	0 X
12/31/2020	2020	709950	A	WEB	7.468 X
01/31/2021	2021	709950	A	ad	0
02/28/2021	2021	720466	A	ad	1.355
03/31/2021	2021	738323	A	ad	2.302
04/30/2021	2021	745950	A	ad	0.983
05/31/2021	2021	762080	A	ad	2.079
06/30/2021	2021	778150	A	ad	2.071
07/31/2021	2021	778151	A	ad	0
08/31/2021	2021	796719	A	ad	0
08/31/2021	2021	15007	A	ad	0
09/30/2021	2021	20289	A	ad	0.681
10/31/2021	2021	52851	A	ad	4.197
11/30/2021	2021	52851	A	ad	0
12/31/2021	2021	58527	A	ad	0.732
01/31/2022	2022	58527	A	ad	0
02/28/2022	2022	58527	A	ad	0
03/22/2022	2022	58538	A	ad	0.001
04/30/2022	2022	75228	A	ad	2.151
06/01/2022	2022	126413	A	ad	6.597
07/01/2022	2022	142302	A	ad	2.048
08/01/2022	2022	142302	A	ad	0
09/01/2022	2022	142302	A	ad	0

		2024		13.820
		2023		31.947
		2022		30.491
		2021		14.400
		2020		14.793
		2019		23.102
		2018		2523.683
		2017		1720.841
		2015 2016		37.821 920.918
**YTD Meter Amounts:				Amount
06/07/2024	24 2024	650160	A	WEB
05/01/2024		627225	A	WEB
04/01/2024		607344	A	WEB
03/01/2024		583016	A	WEB
02/01/2024		550626	A	WEB
01/01/2024	24 2023	542948	A	WEB
12/01/2023	23 2023	486606	A	WEB
11/01/2023	23 2023	486606	A	WEB
10/01/2023	23 2023	444260	A	WEB
09/01/2023	23 2023	444260	A	WEB
08/01/2023		412371	A	WEB
07/01/2023		402013	A	WEB
06/01/2023		353069 396775	A A	WEB WEB
04/01/2023 05/01/2023		314761	A	WEB
03/01/2023		314761	A	WEB
02/01/2023		295089	A	WEB
01/01/2023		295089	A	WEB
12/01/2022	22 2022	272049	A	WEB
11/01/2022	22 2022	259985	A	WEB

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6/21/24 10:24 AM

POINT OF DIVERSION SUMMARY



## **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

 $\mathbf{X}$ 

205F4 CP 01671 POD1

3594887

Shallow

**Driller License:** 1731 **Driller Company:** 

HARRISON & COOPER, INC DBA: HCI DRILLING

**Driller Name:** COOPER, KENNY

**Drill Start Date:** 

10/05/2017

**Drill Finish Date:** 

10/05/2017

Plug Date:

Log File Date:

10/31/2017

**PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

**Casing Size:** 

5.00

Depth Well:

157 feet

**Depth Water:** 

**Casing Perforations:** Top **Bottom** 

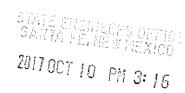
> 117 157

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POINT OF DIVERSION SUMMARY





F=		O. (WELL NO	).)		WELL TAG ID NO.		OSE FILE NO	(S).		
<u>0</u>	POD 1; W	/W-1					CP-1671	•		
OCAT		VER NAME(S hand Lives	) stock Co., Inc.				PHONE (OPT	IONAL)		
VELL L	WELL OWN P.O. Box	VER MAILING 1105	G ADDRESS			- <del> </del>	CITY Eunice		STATE NM 88231	ZIP
GENERAL AND WELL LOCATION	WELL		DE	GGREES 32	MINUTES 28	seconds 55.2606	* ACCURACY	Y REQUIRED: ONE TEN	TH OF A SECOND	
VER	(FROM G	PS) LO	NGITUDE	-103	28	37.07 W	* DATUM RE	QUIRED: WGS 84		
1. GE	DESCRIPT	ION RELATI	NG WELL LOCATION TO	STREET ADDRE	ESS AND COMMON	LANDMARKS – PI	SS (SECTION, TO	)WNSHJIP, RANGE) WI	IERE AVAILABLE	
	LICENSE NO		NAME OF LICENSED		Kenny Cooper			NAME OF WELL DR Harrison & Coo	ILLING COMPANY oper, Inc. (DBA HCI I	Orilling)
	DRILLING S 10/05/		DRILLING ENDED 10/05/2017	DEPTH OF COM	PLETED WELL (FT) 157	BORE HO	DLE DEPTH (FT) 157	DEPTH WATER FIR	ST ENCOUNTERED (FT)	
N.	COMPLETE	D WELL IS:	ARTESIAN	DRY HOLE	● SHALLOW	(UNCONFINED)		STATIC WATER LEV	VEL IN COMPLETED WE 114.9'	LL (FT)
ATIC	DRILLING	LUID:	, AIR	● MUD						
)RM	DRILLING N	METHOD:	• ROTARY	HAMMER	CABLE TO	OL OTH	ER – SPECIFY:			
CASING INFORMATION	DEPTH (feet bgl)  FROM TO DIAM (inches)		(include ea	IATERIAL AND/ GRADE ch casing string, a	CON	ASING INECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
	0	117	97/8	note se	ctions of screen) Riser		pling diameter) ell End	5	Sch 40	()
DRILLING &	117	157	97/8		Screen	В	ell End	5	Sch 40	0.035
LLE									8	20
DRI									=	<u></u>
7									Ę	[7]
										3
1		<del> </del>			<u> </u>					Fac
			<del> </del>							A11, 5a4
									<u> </u>	
			<del></del>	<u> </u>					<u> </u>	
IAL	DEPTH FROM	(feet bgl)	BORE HOLE DIAM. (inches)	l	' ANNULAR SEA EL PACK SIZE-R			AMOUNT (cubic feet)	METHOI PLACEM	
ER	0	97	97/8		Bentonit	e Grout		1	Poure	d
ANNULAR MATERIAL	97	157	97/8		Sand -	8/16			Poure	d
3. ANNU										
FOR FILE	OSE INTER	NAL USE	<u> </u>		POD NO.	1	WR-20	7	LOG (Version 06/30	
	ATION TO	112		2V -	3/1/- // a			Jac Cil	<u>,, ,-, , , , , , , , , , , , , , , , , </u>	

	DEPTH (f	eet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED 17 17 INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	OCT   OWATER   BEARING (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	100	100	Tan/Red Sand	YN	
	100	117	17	Sand and Gravel	Y N	
	117	156	39	Red Sandy Clay	Y N	
	156	157	1	Red Clay	Y N	
ŀ					Y N	
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	METHOD U	SED TO E	STIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
ļ	D PUME		AIR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm)	0.00
	WELL TES	STAF	T TIME, END TIME, FORMATION: To	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI p of Water: 114.9' mping 30 GPM at 124.3'	CLUDING DISCHARGE ER THE TESTING PERI	METHOD, OD.
	PRINT NAM	E(S) OF D		VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER I	HAN LICENSEE:
The state of the s	CORRECT F	RECORD C	OF THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL F D DAYS AFTER COMPLETION OF WELL DRILLING:  Kenny Cooper	IEF, THE FOREGOING RECORD WITH THE ST 10/06/2017	IS A TRUE AND FATE ENGINEER
_	' F	SIGNAT	TURE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
	One page			NA ALTO	II BECORD & LOC C	ornion 06/20/2017
	OSE INTERI	NAL USE	7 1	POD NO. / TRN NO. /	LL RECORD & LOG (V	ersion 00/30/2017)
U		11/	, .	1 - 52 1.5.	110 " !	



# 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
 X
 Y

 NA
 CP 01848 POD2
 4 3 1 13 21S 34E 647587 3594789
 647587 3594789

**Driller License:** 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

**Driller Name:** JACKIE ATKINS

**Drill Start Date:** 06/01/2021 **Drill Finish Date:** 06/02/2021 **Plug Date:** 

Log File Date: 07/01/2021 PCW Rcv Date: Source: Shallow

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 2.00 Depth Well: 96 feet Depth Water: 80 feet

Water Bearing Stratifications: Top Bottom Description
81 96 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom
0 96

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.

6/21/24 10:24 AM

POINT OF DIVERSION SUMMARY



# 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
 X
 Y

 NA
 CP 01848 POD3
 2 4 1 13 21S 34E 647904 3594858

**Driller License:** 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

**Driller Name:** ATKINS, JACKIE D.UELENER

Drill Start Date: 08/19/2021 Drill Finish Date: 08/19/2021 Plug Date:

**Log File Date:** 09/13/2021 **PCW Rcv Date: Source:** Shallow

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: 2.00 Depth Well: 87 feet Depth Water: 70 feet

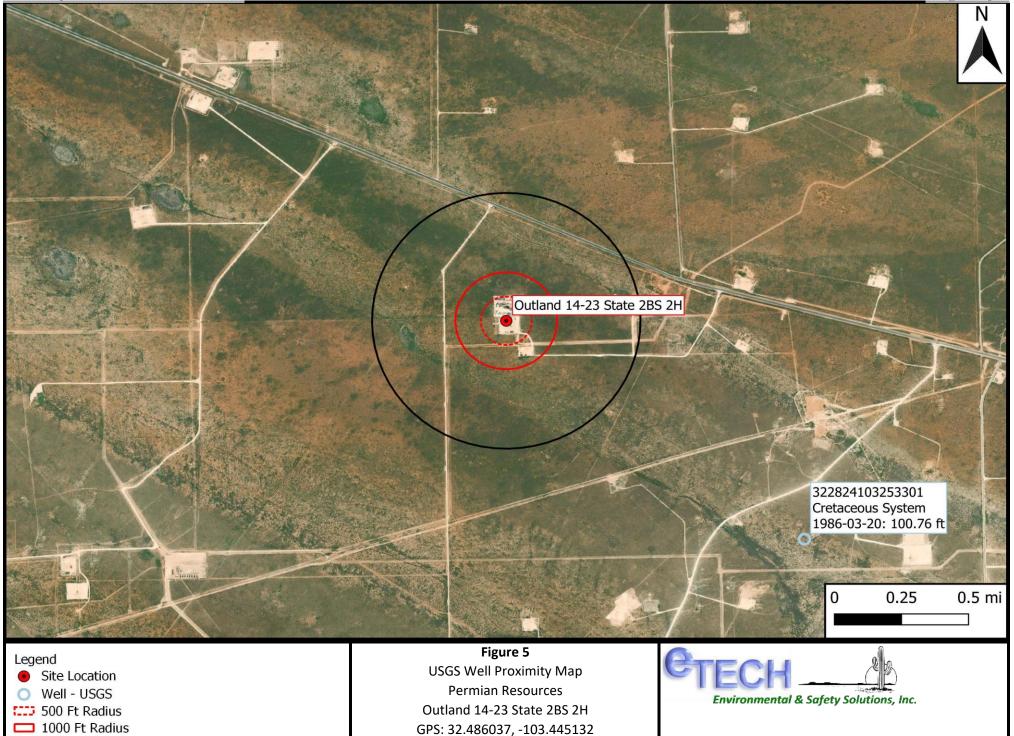
Water Bearing Stratifications: Top Bottom Description
65 87 Sandstone/Gravel/Conglomerate

Casing Perforations: Top Bottom
67 87

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.

6/21/24 10:24 AM

POINT OF DIVERSION SUMMARY



Lea County

Drafted: mag

Checked: jwl

Date:

6/21/24

☐ 0.5 Mi Radius



USGS Home Contact USGS Search USGS

### **National Water Information System: Web Interface**

USGS Water Resources

□ Data Category:
□ Groundwater

□ Geographic Area:
□ United States
□ GO
□ GO

Click for News Bulletins

Groundwater levels for the Nation

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

## Search Results -- 1 sites found

Agency code = usgs site\_no list = • 322824103253301

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 322824103253301 21S.34E.13.32413

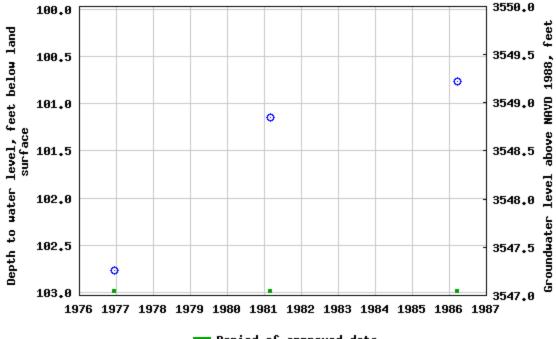
Available data for this site Groundwater: Field measurements GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°28'24", Longitude 103°25'33" NAD27
Land-surface elevation 3,650 feet above NAVD88
The depth of the well is 335 feet below land surface.
This well is completed in the Other aquifers (N99990THER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

## **Output formats**

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

#### USGS 322824103253301 215.34E.13.32413



Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

**Questions or Comments** 

<u>Help</u>

**Data Tips** 

**Explanation of terms** 

Subscribe for system changes

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

Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2024-06-21 12:21:10 EDT

0.55 0.47 nadww02



# Appendix B Field Data and Soil Profile Logs



## Sample Log

Date:

8.22.24

Project:

Outland 14-23 State 2BS 2H

Project Number:

20751

Latitude:

32.486037

Longitude:

-103.445132

Sample ID	PID/Odor		Chloride Conc.	GPS
- SW-47.	_	1256	CS-8a B@7' -	-5640
- SW-97AHI	-	1088	CS-82 B @81 -	- 2584
-SW-47B		188	SW-1 -	- 6092
-SW-38 A#1		1768	CS-82829' -	-1976
SW-38B		87a	SW-I -	2584
SW-38 BH 2	_	87a	C5-43-B0101	-359
SW-38 B#3		872	CS-47B@7'	-252
SW-38 B#4	_	804	CS-82B@1010.	-436
5W-38C	<b>Character</b>	804	SW-52A	-362
SW-38C#1	~ ingliseMonal.	804	CS-79 BOIL -	-4/80
-7M-38CHZ	sandheithe.	87a	JW-37B	-392
-Sw-38 CH 3	were.	804	SW-36 B -	-1800
-SW-38 C#4		1440	SW-36 B -	-1276
Ew-1-		872	SW-36 B -	-816
NW-1		2544	SW-101A -	-1480
FL-1 @8'		1256	SW-36 B -	-436
12-1091	متته	1,168	SW-Lei A =	- 1092
FL-1 @ 10'		624	SW-61 B -	352
SW - 38 D		1168		
NW-1	عالتسمي	878	Sample	200m
100-1	Specialism	684	_	na,
VM) - 1		624		-
1000		684	_	
SW-38 D#1	and the same	520	>	
	Supplem	276		
000 00 000	4200000	348	- magai	
(1 1 0 101		879		
SW-38 D#4		472	Š) jama	900.04
		804	\	
SUNDOUE		1168	-	y and
26 11 2 5 1		1024		
05 00 00 11		276		
SW-52 A		1256	2	,
NW - 7	1	<del>2544</del> 35.2		-
5/11-1			frequ.	
Sample Point = SP #1 @ ## etc		27,492		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



## **Soil Profile**

Libioniac	ital a sejety solution	ay economic			Date:	10/18/2024
Project:	Outland 14	I-23 State 2BS 2H				
Project Nun	nber:	20751	Latitude:	32.486037	Longitude:	-103.445132
Donath /ft ha	-1			Day		
Depth (ft. bg	3)	I			scription	
	1			IIIIh	orted Fill	
	2					
	3					
	4			Caliche	e/Hard Rock	
	6			Canche	e/Haru Nock	
	7					
	,					
	9					100000000000000000000000000000000000000
	10					
	11					
	12					
	13					
	14					
	15			Brownish Ro	ed Sandy Caliche	
	16					
	17					
	18					
	19					
	20					
	21					
	22					
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	24					
	25					100000000000000000000000000000000000000
	26					
	27					
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	29				TD	
	30					
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					***************************************
	39					***************************************
	40					

# **Appendix C Laboratory Analytical Reports**



December 06, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OUTLAND

Enclosed are the results of analyses for samples received by the laboratory on 12/01/23 13:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023
Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

A ... - I. ... - d D. ... 311 /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 1 (1') (H236469-01)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	272	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	25.5	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kreine



#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 2 (1') (H236469-02)

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	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	192	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



12/01/2023

Soil

#### Analytical Results For:

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

Received: 12/01/2023

12/01/2023 Sampling Date: 12/06/2023 Sampling Type:

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 3 (1') (H236469-03)

Reported:

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	544	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	45.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

#### Cardinal Laboratories

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Celeg & Freene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 4 (3') (H236469-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	< 0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	320	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

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Celeg & Frence



#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

mg/kg

#### Sample ID: CS - 5 (3') (H236469-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	160	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



12/01/2023

#### Analytical Results For:

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

Sampling Date:

Received: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 6 (3') (H236469-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 7 (3') (H236469-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 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:

12/01/2023 Sampling Date: Sampling Type:

Reported: 12/06/2023 Project Name: **OUTLAND** 

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

12/01/2023

Soil

**EARTHSTONE - LEA COUNTY** Project Location:

237863

#### Sample ID: CS - 8 (3') (H236469-08)

Project Number:

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

mg/kg

#### Sample ID: CS - 9 (3') (H236469-09)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 10 (3') (H236469-10)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 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:

12/01/2023 Sampling Date: 12/06/2023

Sampling Type: Soil

Reported: Project Name: **OUTLAND** Project Number: 237863

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

12/01/2023

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 11 (3') (H236469-11)

Received:

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121 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	240	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	14.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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12/01/2023

#### Analytical Results For:

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

Sampling Date:

Received: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 12 (3') (H236469-12)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 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: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 13 (3') (H236469-13)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	352	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 14 (3') (H236469-14)

BTEX 8021B

	9,	9	7	= 7. 5,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	176	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.7	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 15 (3') (H236469-15)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 16 (3') (H236469-16)

BTEX 8021B

	9,	9	7	= 7. 5,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	144	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 17 (3') (H236469-17)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Reported: 12/06/2023

Project Name: **OUTLAND** Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

Sampling Date: 12/01/2023

Sampling Type: Soil

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

#### Sample ID: CS - 18 (3') (H236469-18)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 19 (3') (H236469-19)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	36.8	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	72.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.7	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 20 (3') (H236469-20)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	191	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.1	% 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: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 21 (3') (H236469-21)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	304	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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12/01/2023

Soil

#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date:
Reported: 12/06/2023 Sampling Type:

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 22 (3') (H236469-22)

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	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	21.1	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 23 (3') (H236469-23)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	1.99	99.7	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.09	104	2.00	1.33	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.10	105	2.00	2.15	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.30	105	6.00	2.64	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	320	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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12/01/2023

Soil

#### Analytical Results For:

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

Received:

12/01/2023 Sampling Date: 12/06/2023 Sampling Type:

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 24 (3') (H236469-24)

Reported:

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	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	19.8	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	73.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 25 (3') (H236469-25)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyac	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	224	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	31.6	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.9	% 49.1-14	8						

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#### Analytical Results For:

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

12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Project Name: **OUTLAND** 

Received:

Sampling Type: Soil Sampling Condition:

Sample Received By:

Cool & Intact

Tamara Oldaker

Project Number: 237863

**EARTHSTONE - LEA COUNTY** Project Location:

Sample ID: CS - 26 (3') (H236469-26)

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	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	17.7	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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12/01/2023

#### Analytical Results For:

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

Sampling Date:

Received: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 27 (3') (H236469-27)

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	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	64.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	10.3	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 28 (3') (H236469-28)

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	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	4640	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	241	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	68.1	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/01/2023 Sampling Date: 12/01/2023

Reported: 12/06/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 29 (3') (H236469-29)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.23	112	2.00	12.2	
Toluene*	<0.050	0.050	12/04/2023	ND	2.20	110	2.00	12.7	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.16	108	2.00	12.7	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	6.86	114	6.00	10.5	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 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	2200	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	187	93.6	200	9.08	
DRO >C10-C28*	26.4	10.0	12/04/2023	ND	195	97.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 34

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

(5/5) 393-2320 FAX (5/5) 595-24/6	BILL TO	ANALYSIS REQUEST
Company Name: NTGE	P.O. #:	
Project Manager: Belly Jaske		1
Address: 209 W M (May St City: (no Stand State: NM Zip: 88230) Phone #: 456 929-8056 Fax #:	Company:	1
City: ( State: NM Zip: 8823)	Attn:	
Phone #: 436 924 8056 Fax #:	Address:	1
Project #: 237 863 Project Owner: Lambsland	City:	
Project Name: Out land	State: Zip:	1
Project Location: Les Conty	Phone #:	
Project Location: Les Control Sampler Name: Tule Walle	Fax #:  PRESERV SAMPLING	4   🗸   .   .   .   .   .   .   .
FOR LAB USE ONLY	PRESERV. SAMPLING	
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Lab I.D. Sample I.D.	GE COO COO	
(G)RAB OR (C)ON #CONTAINERS GROUNDWATER SOIL SOIL	SLUDGE OTHER: OTHER: OTHER: OTHER:	
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3 (5-2 (1)		
3 CS-3 (i)		
5 C5-5 (3)		
	• .	
6 CS-6 (3)		
8 CS-8 (-3)		
9 (5-9(3)		
10 (C-10 (R)		
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business intern affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether successors arising out of or related to the performance of services hereunder by Cardinal programment.	n claim is based upon any of the above state reasons or othe	rwise.
Relinquished By:  Date: 7 - Received By:	Verbal F Al! Resu	Result:
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Relinquished By: Date: Received By:	REMAR	KS:
Time:		
Delivered By: (Circle One)  Observed Temp. °C  Cool in  Sampler - LIPS - Bus - Other:  Corrected Temp. °C	act (Initials)	und Time: Standard ☐ Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes
Sampler - UPS - Bus - Other: Corrected Temp. °C	Yes Thermom	neter ID #140 Yes Yes on Factor 0°C No No Corrected Temp. °C

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

Released to Imaging: 3/10/2025 3:54:39 PM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX	(575) 393-2476		ANALYSIS REQUEST
	(570) 666 2	BILL TO	
ompany Name: NTGE		P.O. #:	4
oject Manager: (3elly 13.5 Ne)		Company:	
oject Manager: Bedry Jaskel ddress: 209 W McUny St	1100 = 88220	Attn:	
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ity: (n/s/md hone #: 436-924-8056	Fax #:	City:	
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roject Location: Loca Consty		Phone #:	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and cli analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or cons	r cause whatsoever shall be deemed waived unless made in w	iting and received by Cardinal Walls of developments by client, its supptions, loss of use, or loss of profits incurred by client, its supptions, loss of use, or loss of profits incurred by client, its supptions of the profits incurr	subsidiaries, otherwise.  No Add'l Phone #:
analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or constaffiliates or successors arising out of or related to apperformance.	sequental damages, including the sequential damages, including the sequent	ch claim is based upon any of the above see.	al Result: ☐ Yes ☐ No ☐ Add*I Phone #: esults are emailed. Please provide Email address:
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	Sample C	ondition	Rush Cool Intact Observed lemp. C
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Sampler - UPS - Bus - Other:	Corrected Temp. °C		es to celev.keene@cardinallabsnm.com

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 34 of 34

Released to Imaging: 3/10/2025 3:54:39 PM

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

. "	(575) 393-2326 FAX (575) 393-247	6			_		DII	L TO					Α	NAL'	YSIS	REQ	UEST			$\neg$
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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 complete analyses.

Demages Cardinal's liability and	client's exclusive remedy for any claim and	is ad unless made in writing and received by	y Cardinal within 30 days alter	Completion of the Pr				
PLEASE NOTE: Liability and Damages. Cardinal's liability and or analyses. All claims including those for negligence and any other liability for incidental or con-	er cause whatsoever shall be deemed wa	wed unless made in many	or loss of profits incurred by c	lient, its subsidiaries,				
analyses. All claims including those for negligence and any	sequental damages, including without lim	itation, business interruptions, ross or activities in based up	on any of the above state ' reg	asons or otherwise.	TI No	Add'l Phone #:		
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<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



December 07, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OUTLAND

Enclosed are the results of analyses for samples received by the laboratory on 12/04/23 15:00.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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: 12/04/2023 Reported: 12/07/2023

Project Name: OUTLAND
Project Number: 237863

Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: CS - 30 (4') (H236498-01)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	304	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	10.3	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: JH/

Project Location: EARTHSTONE - LEA COUNTY

mg/kg

#### Sample ID: CS - 31 (4') (H236498-02)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	11.4	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 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: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 32 (6') (H236498-03)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	288	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celeg & Frence



#### Analytical Results For:

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

Received: 12/04/2023

Reported: 12/07/2023
Project Name: OUTLAND
Project Number: 237863

Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

#### Sample ID: CS - 33 (6') (H236498-04)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	22.3	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 34 (6') (H236498-05)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	770	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 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: 12/04/2023 Reported: 12/07/2023

Project Name: **OUTLAND** Project Number: 237863

Project Location: **EARTHSTONE - LEA COUNTY**  Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

Sample ID: CS - 35 (9') (H236498-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	16.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/04/2023

Sampling Date:

12/04/2023

Reported: Project Name: 12/07/2023 **OUTLAND** 

Sampling Type:

Soil Cool & Intact

Project Number:

237863

Sampling Condition: Sample Received By:

Dionica Hinojos

Project Location:

BTEX 8021B

mg/kg

**EARTHSTONE - LEA COUNTY** 

#### Sample ID: CS - 36 (9') (H236498-07)

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Analyzed By: JH/

#### Cardinal Laboratories

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Celecy D. Keene



#### Analytical Results For:

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

Received: 12/04/2023

Reported: 12/07/2023 Project Name: OUTLAND

Project Number: 237863
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 12/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

### Sample ID: CS - 37 (9') (H236498-08)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Analyzed By: 1H /

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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: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Project Number: 237863 Dionica Hinojos

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 38 (9') (H236498-09)

BTEX 8021B	mg/	/kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	16.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 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: 12/04/2023

Sampling Date:

12/04/2023 Soil

Reported: Project Name: 12/07/2023 OUTLAND

mg/kg

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

237863

Sample Received By:

Dionica Hinojos

Project Location:

BTEX 8021B

**EARTHSTONE - LEA COUNTY** 

#### Sample ID: CS - 39 (9') (H236498-10)

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Analyzed By: JH/

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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: 12/04/2023

Sampling Date: 12/07/2023 Sampling Type:

Project Name: **OUTLAND** Project Number: 237863

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

12/04/2023

Soil

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 40 (9') (H236498-11)

Reported:

BTEX 8021B	mg/	kg	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	211	105	200	1.01	
DRO >C10-C28*	32.4	10.0	12/05/2023	ND	216	108	200	0.791	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	100 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/04/2023

Sampling Date: 12/04/2023 Sampling Type: Soil

Reported: 12/07/2023 Project Name: **OUTLAND** 

Sampling Condition: Cool & Intact Sample Received By: Dionica Hinojos

Project Number: 237863 **EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 41 (9') (H236498-12)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	51.9	10.0	12/05/2023	ND	196	97.8	200	2.59	QM-07
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 42 (9') (H236498-13)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	181	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Project Number: 237863 Dionica Hinojos

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 43 (9') (H236498-14)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	496	16.0	12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	135	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	113 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 44 (9') (H236498-15)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Dionica Hinojos

**EARTHSTONE - LEA COUNTY** Project Location:

#### Sample ID: CS - 45 (9') (H236498-16)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300 0.300		12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	176	16.0	12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	<10.0	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	111 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Гах

Received: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 46 (9') (H236498-17)

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	12/05/2023	ND	1.93	96.5	2.00	1.85	
Toluene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	0.254	
Ethylbenzene*	<0.050 0.050		12/05/2023	ND	2.03	102	2.00	0.160	
Total Xylenes*	<0.150 0.150		12/05/2023	ND	6.10	102	6.00	0.303	
Total BTEX	<0.300 0.300		12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>496</b> 16.0		12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	85.6	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/04/2023

Sampling Date:

12/04/2023

Reported: Project Name: 12/07/2023 OUTLAND

mg/kg

Sampling Type: Sampling Condition:

Soil Cool & Intact

Project Number:

237863

Sample Received By:

Dionica Hinojos

Project Location:

BTEX 8021B

EARTHSTONE - LEA COUNTY

Sample ID: CS - 47 (9') (H236498-18)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	6.74	
Toluene*	<0.050 0.050		12/05/2023	ND	2.07	104	2.00	4.17	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.16	108	2.00	3.65	
Total Xylenes*	<0.150 0.150		12/05/2023	ND	6.37	106	6.00	6.05	
Total BTEX	<0.300 0.300		12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 % 71.5-1.		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	688	16.0	12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	102	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	135	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 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: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: **OUTLAND** Sampling Condition: Cool & Intact Sample Received By: Project Number: 237863 Dionica Hinojos

Project Location: **EARTHSTONE - LEA COUNTY** 

#### Sample ID: CS - 48 (9') (H236498-19)

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	12/05/2023	ND	2.03	101	2.00	6.74	
Toluene*	<0.050	0.050	12/05/2023	ND	2.07	104	2.00	4.17	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.16	108	2.00	3.65	
Total Xylenes*	<0.150	0.150	12/05/2023	ND	6.37	106	6.00	6.05	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 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	416	16.0	12/07/2023 ND		432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	87.6	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	74.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.3	% 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: 12/04/2023 Sampling Date: 12/04/2023

Reported: 12/07/2023 Sampling Type: Soil

Project Name: OUTLAND Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Dionica Hinojos

Analyzed By: 1H /

Project Location: EARTHSTONE - LEA COUNTY

#### Sample ID: CS - 49 (9') (H236498-20)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2023	ND	2.03	101	2.00	6.74	
Toluene*	<0.050	0.050	12/05/2023	ND	2.07	104	2.00	4.17	
Ethylbenzene*	<0.050	0.050	12/05/2023	ND	2.16	108	2.00	3.65	
Total Xylenes*	<0.150 0.150		12/05/2023	ND	6.37	106	6.00	6.05	
Total BTEX	<0.300	0.300	12/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	de, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>944</b> 16.0		12/07/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2023	ND	208	104	200	1.89	
DRO >C10-C28*	170	10.0	12/05/2023	ND	196	97.8	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	12/05/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

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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Received by OCD: 11/13/2024 2::50:27 PM

Page 23 of 24

# CHAIN-()F-CUSTODY AND ANALYSIS REQUEST

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

Company Name: NTGE	BILL TO	ANALYSIS REQUEST
Project Manager: Betty Haske	P.O. #:	
Address: Zag , M. M. CUAN	Company:	
city: Carlsback State: NM zi	ip: 88220 Attn:	
Phone #: 436929-8056 Fax #:	Address:	
Project #: 237863 Project Owner: 6	Garshodore City:	
Project Name: Ortand	State: Zip:	
Project Location: Lea Carry Sampler Name: World (mk a)	Phone #:	
Sampler Name: Jul or U und all	Fax #:	
TOK DAD GOL GALL		PLING 2 V
H23418 Lab I.D.  Sample I.D.  1	# CONTAINERS  # CONTAINERS  GROUNDWATER  WASTEWATER  WASTEWATER  OIL  SLUDGE  OTHER:  ACID/BASE:  ICE / COOL  OTHER:	TIME 9:03
0 (5-5/(9))		
(b) (5-39(9')		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any cleanalyses. All claims including those for negligence and any other cause whatsoever shall be deem	laim arising whether based in contract or tort, shall be limited to the amount pai	d by-the client for the
service. In no event shall Cardinal be liable for incidental or consequental damages, including with	nout limitation, business interruptions, loss of use, or loss of profits incurred by	lient its subsidiaries
Relinquished By:  Date:  Z-9	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Time: 5100	011-	All Results are emailed. Please provide Email address:
	Received By:	REMARKS:
Time:		
Delivered By: (Circle One)  Sampler - UPS - Bus - Other:  Corrected Temp. °C  FORM-000 R 3.4 07/11/23	Cool Intact (Initials)	Turnaround Time:  Standard Rush  Cool Intact Observed Temp. °C  Thermometer ID #140 Correction Factor 0°C  Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

Received by OCD: 11/13/2024 2::50:27 PM

Page 24 of 24

Project Manager: Belly Haske

## CHAIN-()F-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: N/C/06

Address: 209	Muchan				Com	npany:												-
city: Carlsh	whichay	State: NM	Zip:	88220	Attn						*	-						
Phone #: 436	924-8056				Add		(4)								, * =			
Project #: 23	7863	Fax #: Project Owner	Fac	Sholare	City:													
Project Name: /	Intland			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	State		Zip:											
Project Location	: Lea Cant	U			Pho		Διμ.											
Sampler Name:	Lea Cant	dali			Fax				Α		-							
FOR LAB USE ONLY	- Cu		$\top$	MATRIX	_	RESERV	SAM	PLING		3		1						
H231498 Lab I.D.	Sample I		(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER:	ACID/BASE. ICE / COOL OTHER:	DATE	TIME	432	Chlorses	#/2/A			-			a.*	
	C5-40 C5-40 C5-420 C5-430	(9)	11	X			(2-4	700010000000000000000000000000000000000		1	1				+			$\dashv$
12 13	CS-411	(9)	111					1										+
13	C5-421		111							and the second								
14	CS-43(	201	H															
[5]	5.49	(9)	H															
16	C5 (49)	(4)	H															
iv	CS-461	(9)	$\mathbb{H}$															
18	CC-48	(1)	+															
30	(5-49	(9)	1						-H		11							
PLEASE NOTE: Liability and	Damages. Cardinal's liability and clie	nt's exclusive remedy for any	claim aris	sing whether based in contra	et or tort, sh	nall be limited t	o the amount pai	d by the client for t	the	+								
diffully oco. All cidillio inciduling	dinal be liable for incidental or consec	ause whatsoever shall be de quental damages, including v	emed waiv	wed unless made in writing a itation, business interruptions	nd received	by Cardinal w	vithin 30 days afte	r completion of the	e ap <b>e</b> licable	9								
Relinquished By	out of of related to the performance	Date: 'er by Car	dinal, rega	ardless of whether such clair	n is based u	upon any of the	e above stated re	Verbal Res	Э.	Yes	N	lo A	Idli Dhair	. 4.				
11/		Time: 711	A.	1				All Results	are em	ailed.	Please p	rovide E	ld'I Phon mail add	ress:				
Relinquished By:		Time: 3:30	1	tiper														
telliquisited by.		Date:	Kecei	ved By:				REMARKS	:						2			
		Time:																
Delivered By: (Cir	cle One) Obs	served Temp. °C	0.90	Sample Condi	ion	CHECK		Turnaround	I Time:		Standa	rd L	Bac	teria (only	/) Sample	Condit	ion	
Sampler - UPS - B	us - Other: Cor	rected Temp. °C	_ (	Cool Intact	s	(Initi	-	Thermometer		40	Rush		Coo	I Intact Yes □ Yes	Obs	erved Te		
FORM-008 F	3.4 07/11/23	+ Canding!		□ No □ N	Contract of the last	M		Correction Fa						No No		ected Te	emp. °C	
		T Cardinal o	annot	t accept verbal c	nanges	s. Please	email ch	anges to c	eley.ke	ene@	cardina	allabsnr	n.com					

BILL TO

P.O. #:



December 21, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OUTLAND 14-23 STATE UNIT 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/18/23 10:55.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 4 1-3 (H236708-01)

BTEX 8021B	mg,	/kg	Analyze	Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/19/2023 ND		416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 5 0-3 (H236708-02)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050 0.050		12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150 0.150		12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>64.0</b> 16.0		12/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 6 0-3 (H236708-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	< 0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	16.0	16.0	12/19/2023	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	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	13.4	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: SW - 7 0-3 (H236708-04)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 8 0-3 (H236708-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	464	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	73.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: SW - 9 0-2 (H236708-06)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	10700	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	73.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 10 0-3 (H236708-07)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.5	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 11 0-3 (H236708-08)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 12 0-3 (H236708-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	308	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	66.8	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	18						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

## Sample ID: SW - 13 6-9 (H236708-10)

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	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 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	784	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 14 6-9 (H236708-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2023	ND	2.06	103	2.00	4.43	
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	3.32	
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	12/20/2023	ND	6.64	111	6.00	4.65	
Total BTEX	<0.300	0.300	12/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 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	1280	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	35.8	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	69.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.4	% 49.1-14	18						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 15 3-6 (H236708-12)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2023	ND	2.06	103	2.00	4.43	
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	3.32	
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	12/20/2023	ND	6.64	111	6.00	4.65	
Total BTEX	<0.300	0.300	12/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	72.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 16 3-6 (H236708-13)

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	12/20/2023	ND	2.06	103	2.00	4.43	
Toluene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	3.32	
Ethylbenzene*	<0.050	0.050	12/20/2023	ND	2.18	109	2.00	5.43	
Total Xylenes*	<0.150	0.150	12/20/2023	ND	6.64	111	6.00	4.65	
Total BTEX	<0.300	0.300	12/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	65.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.3	% 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:

Applyzod By: 14

Received: 12/18/2023

12/18/2023 Samplin 12/21/2023 Samplin

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Project Number: 237863

Project Number: 237863
Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/15/2023

Sampling Type: Soil

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

## Sample ID: SW - 17 0-3 (H236708-14)

Reported:

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	80.0	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 18 3-4 (H236708-15)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	656	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	153	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	38.1	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 19 0-4 (H236708-16)

TEX 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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	12.7	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Reported: 12/21/2023

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

Sampling Date: 12/15/2023

Sampling Type: Soil

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

## Sample ID: SW - 20 0-4 (H236708-17)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023 Project Name: 0UTLAND 14-23 STATE UNIT 2BS 2H Sampling Type: Soil

Project Number: 237863

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

Project Location: LEA COUNTY, NEW MEXICO

## Sample ID: SW - 21 0-3 (H236708-18)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	1360	16.0	12/19/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	169	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	25.3	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Reported: 12/21/2023

12/21/2023 OUTLAND 14-23 STATE UNIT 2BS 2H

Project Name: OUTLAN Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/15/2023

Sampling Type: Soil

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

## Sample ID: SW - 22 0-5 (H236708-19)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	13000	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	112	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	18.9	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	74.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	8						

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 23 0-5 (H236708-20)

TEX 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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	77.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 24 0-5 (H236708-21)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	368	16.0	12/19/2023	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	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	69.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.3	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 25 3-5 (H236708-22)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

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12/15/2023

#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date:

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

## Sample ID: SW - 26 5-9 (H236708-23)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 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	12/19/2023	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	12/20/2023	ND	191	95.6	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	201	101	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	73.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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#### Analytical Results For:

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

Applyzod By: 14

Received: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023
Project Name: 0UTLAND 14-23 STATE UNIT 2BS 2H

Sampling Type: Soil

Project Number: 237863

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

Project Location: LEA COUNTY, NEW MEXICO

Sample ID: SW - 27 3-9 (H236708-24)

RTFY 8021R

True Value QC       RPI         2.00       2.9         2.00       3.6         2.00       3.7         6.00       3.7	98 59 79
2.00     3.6       2.00     3.7	59 79
2.00 3.7	79
6.00 3.7	74
True Value QC RP	D Qualifier
400 3.6	54
True Value QC RP	D Qualifier
200 2.2	22
200 0.43	30
<b>y</b>	200 2.2

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#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 28 0-9 (H236708-25)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	32.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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: 12/18/2023

Sampling Date:

12/15/2023

Reported:

12/21/2023

Sampling Type:

Soil

Project Name:

OUTLAND 14-23 STATE UNIT 2BS 2H

Sampling Condition:

Cool & Intact

Project Number:

237863

Sample Received By:

Shalyn Rodriguez

Project Location:

LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 29 0-9 (H236708-26)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	112	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	81.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 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: 12/18/2023

Reported: 12/21/2023 Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

Sampling Date: 12/15/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

#### Sample ID: SW - 30 0-6 (H236708-27)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	208	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	167	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	11.6	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 31 0-9 (H236708-28)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	240	16.0	12/19/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	239	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 32 0-6 (H236708-29)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 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	1070	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 33 0-9 (H236708-30)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	32.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 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:

Applyzod By: 14

Received: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023 Project Name: 0UTLAND 14-23 STATE UNIT 2BS 2H Sampling Type: Soil

Project Number: 237863

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

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 34 0-9 (H236708-31)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	544	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 35 3-9 (H236708-32)

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	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 36 0-3 (H236708-33)

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	12/19/2023	ND	2.13	106	2.00	3.69	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.12	106	2.00	3.79	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.28	105	6.00	3.74	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 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	304	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	1260	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celey D. Keene



12/15/2023

#### Analytical Results For:

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

Received: 12/18/2023 Reported:

12/21/2023 Sampling Type: Soil OUTLAND 14-23 STATE UNIT 2BS 2H

Sampling Date:

Project Name:

Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 37 0-3 (H236708-34)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/19/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	114	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 38 0-3 (H236708-35)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	272	16.0	12/19/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	291	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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:

Applyzod By: 14

Received: 12/18/2023

Sampling Date: 12/15/2023 Sampling Type:

Reported: Project Name:

RTFY 8021R

12/21/2023

Soil

Project Number:

OUTLAND 14-23 STATE UNIT 2BS 2H 237863

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

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 39 0-3 (H236708-36)

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 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	1150	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 40 0-9 (H236708-37)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 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: 12/18/2023 Reported: 12/21/2023

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO Sampling Date: 12/15/2023

Sampling Type: Soil

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

#### Sample ID: SW - 41 0-10 (H236708-38)

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	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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# Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: SW - 42 3-10 (H236708-39)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: SW - 43 0-10 (H236708-40)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	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	12/19/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	86.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: SW - 44 0-10 (H236708-41)

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	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	32.0	16.0	12/19/2023	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	12/20/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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Sample Received By:

12/15/2023

Shalyn Rodriguez

# Analytical Results For:

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

Received: 12/18/2023 Sampling Date:

Reported: 12/21/2023 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H
Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: SW - 45 0-10 (H236708-42)

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	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	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	32.0	16.0	12/19/2023	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	12/20/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.9	% 49.1-14	8						

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# Analytical Results For:

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

Received: 12/18/2023 Reported:

12/21/2023 Sampling Type: Soil OUTLAND 14-23 STATE UNIT 2BS 2H

Sampling Date:

Project Name: Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

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

12/15/2023

# Sample ID: SW - 46 0-5 (H236708-43)

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	12/19/2023	ND	2.28	114	2.00	4.33	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	4.40	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.20	110	2.00	4.48	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.96	116	6.00	5.13	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 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	480	16.0	12/19/2023	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	12/20/2023	ND	199	99.5	200	2.22	
DRO >C10-C28*	81.1	10.0	12/20/2023	ND	189	94.4	200	0.430	
EXT DRO >C28-C36	21.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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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Project Manager:	Deal III			-																		Page 7	7 05 44	I,
The state of the state of the state of	Becky Haske				Bill to:	(if different)		Mor	ntgome	ry Floy	/d								V	Vork (	)-d		7 of11_	
Company Name:	NTG Environr				Compa	ny Name:		Pen	mian R	esour	ces				$\neg$	Dro	~~~	LICTIE				Comments		
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Project Name:	Outland 1	4-23 State 2B	S #2H	Tur	n Around	,												S. ED		l	ADaP	PT U Other:		
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Sampler's Name:		Kenny Han		TAT starts the	dayraasi				6	1												Cool: Cool	MeOH: Me	
PO #:				lab, if rece	eived by 4:	30pm			MRO)													HCL: HC	HNO <sub>3</sub> : HN	
SAMPLE RECEI	PT Ter	np Blank:	Yes No	Wet Ice:	Yes	No	Parameters	_	DRO +													H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
Received Intact:	Ye	es No	Thermom		14		ame	021E	+	4500												H₃PO₄: HP		
Cooler Custody Seals	s: Yes		Correction		19		Par	BTEX 8021B	GRO	Chloride		1									НОГР	NaHSO <sub>4</sub> : NABIS	5	
Sample Custody Sea	ls: Yes	No N/A		ure Reading:	-10	.0:		BI	_	유											¥	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	3	
Total Containers:		103		Temperature:	-	_			8015M	~					1							Zn Acetate+NaO	)H: Zn	
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/	# of Cont		TPH 8													NaOH+Ascorbic		
SW-4	1-3	12/15/2023	11:00	Х		Comp	1	Х	X	X		_	_	_	_							Sample C	comments	
SW-5	0-3	12/15/2023	11:02	Х		Comp	1	X	X	X		_	_											٦
SW-6	0-3	12/15/2023	11:04	Х		Comp	1	X	X	X		_												٦
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SW-9	0-2	12/15/2023	11:10	Х		Comp	1	X	X	X														٦
SW-10	0-3	12/15/2023	11:12	Х		Comp	1	X	X	X														7
SW-11	0-3	12/15/2023	11:14	Х		Comp	1	X	X	X														7
SW-12	0-3	12/15/2023	11:16	Х		Comp	1	X	X	X	-	-												7
SW-13	6-9	12/15/2023	11:18	Х		Comp	1	X	X	^ X	$\dashv$	-								_	_			
Addition	nal Comments	:																						

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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Project Manager:	Becky Haske				Bill to: (	if different)		Mor	ntgome	ry Flo	vd							1,610	,	Manla	01	Page8	5 or	_11
Company Name:	NTG Environ				Compa	ny Name:		Pen	mian R	esour	ces					Desc		107/0				Comments		
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Project Location	1	ea Co. NM		Due Date:	Ku	SII	Code		+-	-	-	-	_	_								None: NO	DI Water	
Sampler's Name:		Cenny Han					-		=	1				1								Cool: Cool	MeOH: N	- 1
PO #:		Tomy Flam		TAT starts the lab, if rece	e day received by 4:	red by the 30pm			MRO)													HCL: HC	HNO <sub>3</sub> : HI	
SAMPLE RECEI	PT Ter	np Blank:	Yes No		Yes	\	Parameters	_	¢													H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: N	la
Received Intact:	(Y)	No No	Thermom		140		ame	8021B	+ DRO	4500												H <sub>3</sub> PO <sub>4</sub> : HP		
Cooler Custody Seal		No N/A	Correction		170		Par	×	GRO	ride											НОГР	NaHSO <sub>4</sub> : NABIS	3	
Sample Custody Sea	als: Yes	No N/A	The second second second	ure Reading:	-10	0:		BTEX		Chloride											¥	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	3	
Total Containers:		103	The state of the s	Temperature:	_	_			8015M	"												Zn Acetate+NaC		
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/	# of Cont		TPH 8													NaOH+Ascorbic		
SW-14	6-9	12/15/2023	11:20	Х	2022112	Comp	1	X	Х	X		-	-	_		_			_			Sample C	omments	5
SW-15	3-6	12/15/2023	11:22	Х		Comp	1	X	X	X		_												
SW-16	3-6	12/15/2023	11:24	Х		Comp	1	X	X	X		_												
SW-17	0-3	12/15/2023	11:26	Х		Comp	1	X	X	X		_	_											
SW-18	3-4	12/15/2023	11:28	Х		Comp	1	X	X	X														
SW-19	0-4	12/15/2023	11:30	Х		Comp	1	X	X	X														
SW-20	0-4	12/15/2023	11:32	Х		Comp	1	X	X	X														
SW-21	0-3	12/15/2023	11:34	X		Comp	1	X	X	X														
SW-22	0-5	12/15/2023	11:36	Х		Comp	1	X	X	X														
SW-23	0-5	12/15/2023	11:38	Х		Comp	1	X	X	X							-	$\dashv$						
Additio	nal Comments	:																						_

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Project Manager:

Company Name:

Relinquished by: (Signature)

Becky Haskell

NTG Environmental

Montgomery Floyd

Bill to: (if different)

of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Received by: (Signature)

**Work Order Comments** 

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Phone:	432-766-1918			Email	City, St	ate ZIP:									$\dashv$								Level IV
Project Name:	Outland 14	4-23 State 2B	S #2H	Tur	n Around	,												es: ED	D 🗌		ADaP	Other:	1
Project Number:		237863		✓ Routine	Rus		Pres.		T	Т	T	T	ANA	LYSIS	RE	QUES	T					Preserva	tive Codes
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Sampler's Name:		Cenny Han		TAT starts the	day saasi				l 6													Cool: Cool	MeOH: Me
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SAMPLE RECEI	PT Ten	np Blank:	Yes No	Wet Ice:	Kon	No	ters	_	DRO +								1-					H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:	₩e	No No	Thermom		14		Paramete	8021B	+	4500												H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals		No N/A	Correction	n Factor:	-		Par	X	GRO	Chloride									~		НОГР	NaHSO <sub>4</sub> : NABIS	3
Sample Custody Sea	s: Yes	No N/A	Temperat	ure Reading:	-10.	30.		ВТЕХ	5M (	1 %		-										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	3
otal Containers:		103	Corrected	Temperature:	_				8015													Zn Acetate+NaC	
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/	# of		F H												-	NaOH+Ascorbic	
SW-24	0-5	12/15/2023	11:40	X		Comp	Cont															Sample C	comments
SW-25	3-5	12/15/2023	11:42	X		Comp	1	X	X	Х	_												
SW-26	5-9	12/15/2023	11:44	X		Comp	1	X	X	X													
SW-27	3-9	12/15/2023	11:46	X		Comp	1	X	X	X													
SW-28	0-9	12/15/2023	11:48	Х		Comp	1	X	X	X	_												
SW-29	0-9	12/15/2023	11:50	Х		Comp	1	X	X	X				_								7	
SW-30	0-6	12/15/2023	11:52	Х		Comp	1	X	X	X	_			_									
SW-31	0-9	12/15/2023	11:54	Х		Comp	1	X	X	X			-	-									
SW-32	0-6	12/15/2023	11:56	Х		Comp	1	X	X	X	-			_									
SW-33	0-9	12/15/2023	11:58	Х		Comp	1	X	X	X			-	-					_	_	$\perp$		
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tice: Signature of this do service. Xenco will be lia Xenco. A minimum chan	cument and relinqu	ishment of sample t of samples and s	es constitute	s a valid purchase	order from	n client com	pany to Xe	enco, its	affiliate	es and s	subcont	tractors.	It assig	gns star	ndard	terms a	nd cond	itions					

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12-18-23 1055

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Date/Time

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# **Chain of Custody**

Work Order No: _	H236	708

Page 49 of 50

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Project Manager:	Becky Haskel	I			Bill to: (	if different)		Mor	ntgome	n/ Flor	ıd												0 of11_
Company Name:	NTG Environr	nental				ny Name:		10	mian R						$\dashv$							Comments	
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Project Number:	Outland 1-	237863	3 #ZH		n Around		Pres.						ANA	LYSIS	REC	UES	Т					Preserva	tive Codes
Project Location				✓ Routine	Rus	sh	Code												T			None: NO	
Sampler's Name:		ea Co, NM		Due Date:																			DI Water: H <sub>2</sub> O
PO #:	K	Cenny Han		TAT starts the lab, if rece	day received by 4:	red by the			MRO)													Cool: Cool HCL: HC	MeOH: Me HNO <sub>3</sub> : HN
SAMPLE RECEI	PT Ten	np Blank:	Yes No				ers		+													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
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Cooler Custody Seals	A COUNTY OF THE PARTY OF THE PA	No) N/A	Correction		14		Parameters	8 X	GRO	ide											НОГР	NaHSO <sub>4</sub> : NABIS	5
Sample Custody Sea		No N/A		ure Reading:	-10	. D .		ВТЕХ	_	Chloride											오	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
Total Containers:		103		Temperature:		UE			8015M	°												Zn Acetate+NaO	)H: Zn
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/	# of		TPH 8													NaOH+Ascorbic	
SW-34	0-9	12/15/2023	12:00	X		Comp	Cont															Sample C	omments
SW-35	3-9	12/15/2023	12:02	X		Comp	1	X	Х	Х													
SW-36	0-3	12/15/2023	12:04	X		Comp	1	X	X	X													
SW-37	0-3	12/15/2023	12:06	X		Comp	1.	X	X	X													
SW-38	0-3	12/15/2023	12:08	Х		Comp	1	X	X	X													
SW-39	0-3	12/15/2023	12:10	Х		Comp	1	X	X	X				_									
SW-40	0-9	12/15/2023	12:12	Х		Comp	1	X	X	X				_									
SW-41	0-10	12/15/2023	12:14	Х		Comp	1	X	X	_			_	_	_								
SW-42	3-10	12/15/2023	12:16	Х		Comp	1	X	X	X	-	-		-									
SW-43	0-10	12/15/2023	12:18	Х		Comp	1	X	X	X	$\dashv$	-	-	_	-	_	_	_					
Addition	nal Comments	:					- 1		Λ	^													

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k Order No: _	110 30 108	20
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Project Manager:	Becky Hask	ell			Dill to	Zeffe Service						-									Page1	1 of11
Company Name:	NTG Enviror				1000	(if different)				ery Flo								V	Vork (	Order	Comments	
Address:	701 Tradewi				D. D. Land	ny Name:		Perr	mian F	Resour	ces				Pro	gram:	UST/F	PST	PRP	Brov	vnfields RRC	uperfund
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Project Name:	Outland	14-23 State 2E	3S #2H	Tur	n Around	d						۸	MALV	IC DE	OUE							
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Project Location		Lea Co, NM		Due Date:			Code		+	+	+	+	-	+	+	+	+	+	-	<u> </u>	None: NO	DI Water: H
Sampler's Name:		Kenny Han		TAT starts the	day recei	ved by the			l ô												Cool: Cool	MeOH: Me
PO #:				lab, if reco	eived by 4:	30pm	60		+ MRO)								1				HCL: HC	HNO <sub>3</sub> : HN
SAMPLE RECE	IPT Te	emp Blank:	Yes No	Wet Ice:	Yes	Yes No		l													H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Received Intact:	4	(es No	Thermom	neter ID:	140		Parameters	BTEX 8021B	+ DRO	4500											H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Sea		1	Correctio	n Factor:	170		Par	EX 8	1 88	oride								1			NaHSO <sub>4</sub> : NABIS	
Sample Custody Sea	als: Yes	1	Temperat	ture Reading:	-10.	0:		B	BTEX 80 8015M ( GRO-					Ĩ	11020203. 140003							
Total Containers:		103	Corrected	d Temperature:					3015												Zn Acetate+NaC	
Sample Identification	Depth (ft bgs	) Date	Time	Soil	Water	Grab/	# of		TPH 8												NaOH+Ascorbic	
SW-44	0-10	12/15/2023	12:20	X		Comp	Cont		- V	-	$\vdash$	$\perp$	$\perp$								Sample C	omments
SW-45	0-10	12/15/2023	12:22	X		Comp	1	X	X	X	$\vdash$	$\perp$										
SW-46	0-5	12/15/2023	12:24	X		Comp	1	X	X	X	$\vdash$		_									
			72.24			Comp	1	Х	Х	Х	$\vdash$	_	_	_								
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Actico. A minimum cha	irge of \$85.00 will b	e applied to each p	roject and a c	charge of \$5 for ea	ch sample	submitted t	to Xenco, b	ut not a	nalyzed	d. These	terms will	ses are d be enfo	ue to circ	sumstand ss previo	es beyo	and the o	control					
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December 21, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: OUTLAND 14-23 STATE UNIT 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 12/18/23 10:55.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

 Received:
 12/18/2023
 Sampling Date:
 12/15/2023

 Reported:
 12/21/2023
 Sampling Type:
 Soil

Reported: 12/21/2023 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyand By 1H /

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 50 3 (H236707-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/18/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 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	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	216	108	200	3.12	
DRO >C10-C28*	<10.0	10.0	12/18/2023	ND	203	101	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.0	% 49.1-14	8						

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# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 51 3 (H236707-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/18/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	400	16.0	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	216	108	200	3.12	
DRO >C10-C28*	27.3	10.0	12/19/2023	ND	203	101	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 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: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Project Number: 237863

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

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 52 3 (H236707-03)

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	12/18/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/18/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 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	368	16.0	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	216	108	200	3.12	
DRO >C10-C28*	16.9	10.0	12/19/2023	ND	203	101	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 53 3 (H236707-04)

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	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 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	112	16.0	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	64.1	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 54 3 (H236707-05)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	28.9	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 55 3 (H236707-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 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	176	16.0	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	<10.0	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 56 3 (H236707-07)

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	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 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	12/18/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	70.8	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Type: Soil

Project Number: 237863 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 57 3 (H236707-08)

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	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	32.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	114	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 58 3 (H236707-09)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 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	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	22.5	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 59 3 (H236707-10)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	48.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	41.8	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 60 3 (H236707-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	0.051	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	0.461	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	1.98	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	2.49	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	165	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	62.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	695	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

# Cardinal Laboratories

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# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 61 3 (H236707-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	122	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

ma/ka

# Sample ID: CS - 62 3 (H236707-13)

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	12/19/2023	ND	2.50	125	2.00	12.9	
Toluene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	11.5	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.51	126	2.00	11.7	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.60	127	6.00	12.7	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	16.0	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 237863 Sample Received By:

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 63 3 (H236707-14)

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	12/18/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.19	120	6.00	4.53	QR-03
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 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	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	82.9	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	104 %	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 %	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 64 3 (H236707-15)

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	12/18/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	242	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 %	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 65 3 (H236707-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	< 0.050	0.050	12/18/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	111	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 66 3 (H236707-17)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	183	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

# Sample ID: CS - 67 3 (H236707-18)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	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	<16.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	21.2	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	77.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 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: 12/18/2023 Reported: 12/21/2023

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

Sampling Date: 12/15/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Shalyn Rodriguez

# Sample ID: CS - 68 3 (H236707-19)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	43.7	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 69 3 (H236707-20)

BTEX 8021B

DILX OUZID	mg/ kg		Alldiyzo	Analyzea by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	79.8	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 70 3 (H236707-21)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	<10.0	10.0	12/18/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/18/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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# Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 71 3 (H236707-22)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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# Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

# Sample ID: CS - 72 5 (H236707-23)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	179	89.4	200	17.0	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	181	90.4	200	17.1	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.9	% 49.1-14	8						

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# Analytical Results For:

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

Analyzed By: JH

Received: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023 Project Name: 0UTLAND 14-23 STATE UNIT 2BS 2H Sampling Type: Soil

Project Number: 237863

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

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

# Sample ID: CS - 73 5 (H236707-24)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	QR-03
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 74 5 (H236707-25)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	< 0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

12/15/2023

Shalyn Rodriguez

### Analytical Results For:

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

Received: 12/18/2023 Sampling Date:

Reported: 12/21/2023 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact

Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 75 5 (H236707-26)

BTEX 8021B	mg	/kg	Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13-	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	109	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: CS - 76 5 (H236707-27)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	144	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

### Sample ID: CS - 77 5 (H236707-28)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	112	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: CS - 78 5 (H236707-29)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	368	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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### Analytical Results For:

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

Analyzed By: 14

Received: 12/18/2023

Sampling Date: 12/15/2023

Reported: 12/21/2023 Project Name: 0UTLAND 14-23 STATE UNIT 2BS 2H Sampling Type: Soil

Project Number: 237863

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

Project Location: LEA COUNTY, NEW MEXICO

ma/ka

Sample ID: CS - 79 5 (H236707-30)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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12/15/2023

### Analytical Results For:

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

Received: 12/18/2023 Sampling Date:

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 80 5 (H236707-31)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	< 0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	96.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023 Sampling Type: Soil

Reported: Project Name: 12/21/2023 OUTLAND 14-23 STATE UNIT 2BS 2H

Sampling Condition: Cool & Intact

Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: CS - 81 5 (H236707-32)

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	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	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	144	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	74.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

### Sample ID: CS - 82 5 (H236707-33)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.49	125	2.00	0.0559	
Toluene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.42	121	2.00	3.77	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.19	120	6.00	4.53	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	22.8	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.3	% 49.1-14	18						

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### Analytical Results For:

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

Received: 12/18/2023 Reported: 12/21/2023

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

Sampling Date: 12/15/2023

Sampling Type: Soil

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

### Sample ID: CS - 83 5 (H236707-34)

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	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	224	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: CS - 84 5 (H236707-35)

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	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 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	144	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	74.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: CS - 85 5 (H236707-36)

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	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 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	304	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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12/15/2023

Shalyn Rodriguez

### Analytical Results For:

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

Received: 12/18/2023

12/21/2023 Sampling Type: Soil
OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Project Name: OUTLAN Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

Sample ID: CS - 86 10 (H236707-37)

Reported:

BTEX 8021B

DIEX COLLD	9/	1.5	Allalyzo	u 5 y . 5 ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	91.6								

Analyzed By: JH/

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: CS - 87 10 (H236707-38)

BTEX 8021B

DILX GOZID	11197	ng .	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	71.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: CS - 88 10 (H236707-39)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	48.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 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:
 12/18/2023
 Sampli

 Reported:
 12/21/2023
 Sampli

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

mg/kg

Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/15/2023

Sampling Type: Soil

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

### Sample ID: CS - 89 10 (H236707-40)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 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	112	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	70.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 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: 12/18/2023 Reported: 12/21/2023

12/21/2023 OUTLAND 14-23 STATE UNIT 2BS 2H

Project Name: OUTLAN Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/15/2023

Sampling Type: Soil

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

### Sample ID: CS - 90 10 (H236707-41)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	71.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

Applyzod By: 1H /

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: CS - 91 10 (H236707-42)

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	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	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	320	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: CS - 92 10 (H236707-43)

BTEX 8021B

DILX GOZID	iiig/	ng .	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/18/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/18/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/18/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/18/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	224	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	232	116	200	12.3	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	231	115	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: CS - 93 10 (H236707-44)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	76.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: CS - 94 10 (H236707-45)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 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	352	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 237863 Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: CS - 95 10 (H236707-46)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: CS - 96 10 (H236707-47)

BTEX 8021B

	9,	9	7	= 7. 5,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

#### Sample ID: CS - 97 10 (H236707-48)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	93.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

ma/ka

### Sample ID: CS - 98 2 (H236707-49)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	92.7	10.0	12/19/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	20.5	10.0	12/19/2023	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: CS - 99 2 (H236707-50)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	44.1	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	100 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 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: 12/18/2023

Sampling Date:

12/15/2023 Soil

Reported: Project Name: 12/21/2023

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

OUTLAND 14-23 STATE UNIT 2BS 2H 237863

Sample Received By:

Shalyn Rodriguez

Project Location:

LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 100 4 (H236707-51)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 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	96.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	78.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 101 4 (H236707-52)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

### Sample ID: CS - 102 4 (H236707-53)

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	12/19/2023	ND	2.19	110	2.00	0.569	
Toluene*	<0.050	0.050	12/19/2023	ND	2.30	115	2.00	0.0373	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.34	117	2.00	0.345	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	7.01	117	6.00	1.18	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Reported: 12/21/2023 Sampling Date: 12/15/2023
Sampling Type: Soil

Project Name:

BTEX 8021B

12/21/2023 Sampling Type: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition:

Cool & Intact

Project Number: 237863

Sample Received By:

Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

mg/kg

### Sample ID: CS - 103 4 (H236707-54)

DILX GOZID	11197	ng .	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: CS - 104 4 (H236707-55)

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	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	16.5	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

### Sample ID: CS - 105 4 (H236707-56)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	32.4	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date Reported: 12/21/2023 Sampling Ty

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H

mg/kg

Project Number: 237863

Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/15/2023

Sampling Type: Soil

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

### Sample ID: CS - 106 5 (H236707-57)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 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	256	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 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: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact
Project Number: 237863 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: LEA COUNTY, NEW MEXICO

#### Sample ID: SW - 1 0-1 (H236707-58)

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	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Project Number: 237863 Sample Received By: Shalyn Rodriguez

LEA COUNTY, NEW MEXICO Project Location:

#### Sample ID: SW - 2 1-3 (H236707-59)

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	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 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	496	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	82.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 12/18/2023 Sampling Date: 12/15/2023

Reported: 12/21/2023 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE UNIT 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 237863

LEA COUNTY, NEW MEXICO Project Location:

### Sample ID: SW - 3 0-1 (H236707-60)

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	12/19/2023	ND	2.14	107	2.00	12.7	
Toluene*	<0.050	0.050	12/19/2023	ND	2.24	112	2.00	12.4	
Ethylbenzene*	<0.050	0.050	12/19/2023	ND	2.26	113	2.00	12.3	
Total Xylenes*	<0.150	0.150	12/19/2023	ND	6.80	113	6.00	12.5	
Total BTEX	<0.300	0.300	12/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/19/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2023	ND	163	81.3	200	4.49	
DRO >C10-C28*	<10.0	10.0	12/20/2023	ND	168	84.1	200	5.36	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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#### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Project Manager:	Becky Haskell				Bill to: (if	different)		Monte	gomer	y Floyd				_							Comments	
Company Name:	NTG Environm				Compan	y Name:		Perm	ian Re	esource	S			_	Prog	ram: l	JST/PS	ST [P	RP [	Brow	nfields R	RC _uperfu
Address:	701 Tradewind	s Blvd.			Address			_						_	1		oject:					
City, State ZIP:	Midland, TX 79	701			City, Sta	te ZIP:								_	Repo	rting:L	evel II	Lev	el III	PS	T/UST TRE	RP Level
Phone:	432-766-1918			Email:											Delive	erable	s: EDI	D		ADaP	T D Oth	ner:
Project Name:	Outland 14	-23 State 2BS	S #2H	Turi	n Around							ANA	LYSIS	REC	QUEST						Prese	rvative Code
Project Number:		237863		✓ Routine	Rus	h	Pres. Code														None: NO	DI Water
Project Location	Le	a Co, NM		Due Date:																	Cool: Cool	MeOH: M
Sampler's Name:	K	enny Han		TAT starts the					MRO)												HCL: HC	HNO <sub>3</sub> : HI
PO #:				lab, if rece	eived by 4:3	80pm	r <sub>S</sub>		+												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	PT Tem	p Blank:	Yes No	Wet Ice:	(Yes	No	nete	6	+ DRO	4500											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Ye		Thermom		140		Parameters	8021B	ę ė											НОГР	NaHSO <sub>4</sub> : NA	BIS
Cooler Custody Seal			Correction	n Factor:	_		0	ВТЕХ	9	Chloride										일 모	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : Na	SO <sub>3</sub>
Sample Custody Sea		No N/A		ture Reading:	-10	5 Q.C		-	8015M ( GRO	0											Zn Acetate+l	NaOH: Zn
Total Containers:		103	Corrected	Temperature:					8 1												NaOH+Asco	rbic Acid: SAP
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH												Sampl	e Comment
CS-50	3	12/15/2023	9:00	Х		Comp	1	Х	Х	Х												
CS-51	3	12/15/2023	9:02	Х		Comp	1	Х	Х	Х					70							
CS-52	3	12/15/2023	9:04	Х		Comp	1	Х	Х	Х												
CS-53	3	12/15/2023	9:06	Х		Comp	1	Х	Х	Х												
CS-54	3	12/15/2023	9:08	Х		Comp	1	Х	Х	Х												
CS-55	3	12/15/2023	9:10	Х		Comp	1	Х	Х	Х												
CS-56	3	12/15/2023	9:12	Х		Comp	1	Х	Х	Х												
CS-57	3	12/15/2023	9:14	Х		Comp	1	Х	Х	Х												
CS-58	3	12/15/2023	9:16	Х		Comp	1	Х	Х	Х												
CS-59	3	12/15/2023	9:18	Х		Comp	1	Х	Х	Х												
Additio	onal Comments	" Es	hone	= Pe	emiz	un .	cn	5	Sam	e	Ins											
otice: Signature of this f service. Xenco will be f Xenco. A minimum ch	liable only for the co	st of samples and	shall not as	tes a valid purchas	se order fro	m client co	raynaneae	incurre	d by th	o client	feuch loce	on are du	a to airou	makan								
Relinquished by				d by: (Signatu				Date/T	- Commence of the			uished						eived b	v: (Si	gnatu	re)	Date/Time
In		Slody	aion,	011			12-18:	23	100	5	2								(-)			20.07 11110
		J+9/11	J. Of VC	9			10	40	100		4											

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		-																			Page	2 of11
Project Manager:	Becky	Haskell				Bill to: (if	different)		Mont	gomen	Floy	ı						W	ork O	rder (	Comments	
Company Name:	NTG E	nvironm	ental			Compan	y Name:		Perm	ian Re	source	es				Progran	n: UST/F				nfields RRC	uperfund
Address:	701 Tr	adewind	s Blvd.			Address										State of						
City, State ZIP:	Midlan	d, TX 79	701			City, Sta	te ZIP:								7	Reportin	g:Level	I 🗌 Lev	el III	₽st	/UST _TRRP	Level IV
Phone:	432-76	6-1918			Email:										$\neg$	Delivera	bles: EE	D O	,	ADaP	Γ□ Othe	r:
Project Name:	Ou	ıtland 14	-23 State 2BS	S #2H	Turr	Around							ANAI	YSIS	REC	QUEST					Preserv	ative Codes
Project Number:			237863		✓ Routine	Rus	h	Pres. Code									T	T			None: NO	DI Water: H <sub>2</sub> O
Project Location		Le	ea Co, NM		Due Date:																Cool: Cool	MeOH: Me
Sampler's Name:		K	enny Han		TAT starts the					MRO)											HCL: HC	HNO <sub>3</sub> : HN
PO #:					lab, if rece	ived by 4:3	80pm	S.		+						1 1					H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEI	PT	Tem	p Blank:	Yes No	Wet Ice:	Yes	No	Parameters	<u>m</u>	DRO	4500										H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Ye	s No	Thermom	eter ID:	141	)	ram	BTEX 8021B	+	le 45										NaHSO <sub>4</sub> : NAB	S
Cooler Custody Seal	s:	Yes (	No N/A	Correction	Factor:	_		Ра	ĕ	(GRO	Chloride									0 1	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSt	
Sample Custody Sea	als:	Yes	No N/A	Temperat	ure Reading:	- 1C	3 G.		œ.	8015M (	5										Zn Acetate+Na	OH: Zn
Total Containers:			103	Corrected	Temperature:	_	_			801											NaOH+Ascorb	c Acid: SAPC
Sample Identification	Depth	(ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH											Sample	Comments
CS-60		3	12/15/2023	9:20	Х		Comp	1	Х	Х	Χ					$\vdash$	$\top$					
CS-61		3	12/15/2023	9:22	Х		Comp	1	Х	Х	Х						$\top$					
CS-62		3	12/15/2023	9:24	Х		Comp	1	Х	Х	Х											
CS-63		3	12/15/2023	9:26	Х		Comp	1	Х	Х	Х											
CS-64		3	12/15/2023	9:28	Х		Comp	1	Х	Х	Х											
CS-65		3	12/15/2023	9:30	Х		Comp	1	Х	Х	Х						$\top$	$\vdash$				
CS-66		3	12/15/2023	9:32	Х		Comp	1	Х	Х	Х						$\top$	$\Box$				
CS-67		3	12/15/2023	9:34	Х		Comp	1	Х	Х	Χ							$\Box$				
CS-68		3	12/15/2023	9:36	Х		Comp	1	Х	Х	Χ							$\Box$				
CS-69		3	12/15/2023	9:38	Х		Comp	1	Х	Χ	Χ											
Additio	onal Co	mments	3:																			

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
m	Slodriguell	12.18.23 MSS	2		
	0	10000	4		

Project Manager: E	Becky Haskell				Bill to: (if	different)		Montg	gomen	y Floyd								W	ork O	rder	Comments	50111_
Company Name:	NTG Environm	ental			Company	y Name:		Perm	ian Re	source	S				Prog	ram: U	JST/PS	ST $\square$ P	RP [	Brow	nfields RRC	uperfund
Address: 7	701 Tradewind	s Blvd.	3		Address:									٦	_	of Pro				_		
City, State ZIP:	Midland, TX 79	701			City, Sta	te ZIP:									Repo	rting:L	evel II	Lev	el III	_ps₁	T/UST TRRP	Level IV
Phone: 4	432-766-1918			Email:											Deliv	erables	s: EDI			ADaP	T Other	
Project Name:	Outland 14	-23 State 2BS	S #2H	Turi	n Around							ANA	LYSIS	REC	UFST						Preserva	ative Codes
Project Number:		237863		✓ Routine	Rusi	h	Pres. Code						T								None: NO	DI Water: H
Project Location	Le	ea Co. NM		Due Date:			Code														Cool: Cool	MeOH: Me
Sampler's Name:		enny Han		TAT starts the	day receive	ed by the			MRO)												HCL: HC	HNO <sub>3</sub> : HN
PO #:				lab, if rece	eived by 4:3	80pm	6		+												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIP	PT Tem	np Blank:	Yes No	Wet Ice:	Yes	No	Parameters	<u></u>	DRO	4500											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Ye	No No	Thermom	eter ID:	140		aram	BTEX 8021B	+											НОГР	NaHSO <sub>4</sub> : NABI	S
Cooler Custody Seals:		No N/A	Correction	n Factor:		-	۳.	Ĭ	(GRO	Chloride										일 모	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSC	O <sub>3</sub>
Sample Custody Seals	s: Yes	No N/A		ure Reading:	-10.	0 %		<sup>m</sup>	8015M (	5											Zn Acetate+Na	OH: Zn
Total Containers:		103	Corrected	Temperature:										NaOH+Ascorbic		c Acid: SAPC						
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH												Sample	Comments
CS-70	3	12/15/2023	9:40	Х		Comp	1	Х	Х	х								-				
CS-71	3	12/15/2023	9:42	Х		Comp	1	Х	Х	Х												
CS-72	5	12/15/2023	9:44	Х		Comp	1	Х	Х	Х												
CS-73	5	12/15/2023	9:46	Х		Comp	1	Х	Х	Х												
CS-74	5	12/15/2023	9:48	Х		Comp	1	Х	Х	Х												
CS-75	5	12/15/2023	9:50	Х		Comp	1	Х	Х	Х												
CS-76	5	12/15/2023	9:52	Х		Comp	1	Х	Х	Х												
CS-77	5	12/15/2023	9:54	Х		Comp	1	Х	Χ	Х												
CS-78	5	12/15/2023	9:56	Х		Comp	1	Х	Χ	Х					-							
00 70	5	12/15/2023	9:58	Х		Comp	1	Х	Х	Х												
CS-79	5																					

#### **Additional Comments:**

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
K	Stedpionell	12-8-23 1055	2		
			4		
			6		

### **Chain of Custody**



	NVIRO	DIMENTA	L					, II a II	1 01		1510	Juy							Wo	rk O	rder	No:	: <u>H230</u>	2707 4 of11	Page 66 of 68
Project Manager:	Becky	y Haskell				Bill to: (if o	different)		Montg	omery	Floyd									Wor	rk Ord	der C	Comments		
Company Name:	NTG	Environme	ental			Company	Name:		Permi	an Res	source	s				╛╽	Progra	am: US1	T/PST	PR	P 📑	Brown	nfields RRC	_uperfund [	1
Address:	701 T	radewinds	Blvd.			Address:										— 1		of Proje							
City, State ZIP:	Midla	nd, TX 797	701			City, Stat	e ZIP:									$\perp$	Repor	ing:Leve	el II 🗌	] Leve		PST	/UST TRRP	Level IV	4
Phone:	432-7	766-1918			Email:												Delive	rables:	EDD		Α	DaP1	Γ □ Other	:	
Project Name:	0	outland 14-	23 State 2BS	6 #2H	Turn	Around								ANAL	YSIS	REQ	JEST						Preserva	ative Codes	
Project Number:			237863		✓ Routine	Rush	1	Pres. Code															None: NO	DI Water: H <sub>2</sub> O	1
Project Location Sampler's Name: PO #:			a Co, NM enny Han		Due Date:  TAT starts the lab, if recei			S		+ MRO)													Cool: Cool HCL: HC H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	MeOH: Me HNO <sub>3</sub> : HN NaOH: Na	
SAMPLE RECE Received Intact:	IPT	Tem	p Blank:	Yes No Thermom	The second secon	(Yes)	No	Parameters	BTEX 8021B	O + DRO	Chloride 4500											НОГР	H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABI	S	
Cooler Custody Sea	als:	Yes (	No N/A	Correction	Factor:	-		P	TEX	8015M ( GRO	loric											¥	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaS0	O <sub>3</sub>	
Sample Custody Sea	als:	Yes (			ure Reading:	-10.	0 i		-	15M	5												Zn Acetate+Na		
Total Containers:			103	Corrected	Temperature:					TPH 80													NaOH+Ascorbi	c Acid: SAPC	
Sample Identification	Dept	th (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TP													Sample	Comments	
CS-80		5	12/15/2023	10:00	Х		Comp	1	Х	Х	Х														
CS-81		5	12/15/2023	10:02	Х		Comp	1	Х	Х	Х								_		_				
CS-82		5	12/15/2023	10:04	Х		Comp	1	Х	Х	Х		-						_		_				
CS-83		5	12/15/2023	10:06	Х		Comp	1	Х	Х	Х										_				
CS-84		5	12/15/2023	10:08	Х		Comp	1	Х	Х	Х									-	$\perp$				
CS-85		5	12/15/2023	10:10	Х		Comp	1	Х	Х	Х										_				
CS-86		10	12/15/2023	10:12	Х		Comp	1	Х	Х	Х								$\perp$						
CS-87		10	12/15/2023	10:14	Х		Comp	1	Х	Х	Х								_						1
CS-88		10	12/15/2023	10:16	Х		Comp	1	Х	Х	Х							$\perp$	_		_				1
CS-89		10	12/15/2023	10:18	Х		Comp	1	Х	Х	Х												<u> </u>		_

**Additional Comments:** 

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D:	of Xenco. A minimum charge of \$85.00 will be	applied to each project and a charge of \$5 for each sample sul	bmitted to Xenco, but not analyzed. These	e terms will be enforced unless previously neg	otiated.	
00	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
l by	1 /	Stedkinul	12-18-23 1065	2		
ivea	3	10/		4		
ece	5			6		*
2						Revised Date 05012020 Rev. 2020.1

Project Manager:

Company Name:

City, State ZIP

Project Name:

Project Number:

Project Location

Sampler's Name:

Address:

Phone:

Becky Haskell

NTG Environmental

Midland, TX 79701

432-766-1918

701 Tradewinds Blvd.

Outland 14-23 State 2BS #2H

237863

Lea Co, NM

Kenny Han

Montgomery Floyd

Permian Resources

MRO)

DI Water: H<sub>2</sub>O

MeOH: Me

HNO<sub>3</sub>: HN

NaOH: Na

Bill to: (if different)

Company Name: Address:

City, State ZIP:

Rush

Pres.

Code

Email

✓ Routine

Due Date:

**Turn Around** 

TAT starts the day received by the

lab, if received by 4:30pm

	Page5 of11
	Work Order Comments
	Program: UST/PST PRP rownfields RRC uperfund State of Project:
	Reporting:Level II Level III PST/UST RRP Level IV
	Deliverables: EDD ☐ ADaPT ☐ Other:
ANALYSIS RE	QUEST Preservative Codes

None: NO

Cool: Cool

HCL: HC

H<sub>2</sub>S0<sub>4</sub>: H<sub>2</sub>

H<sub>3</sub>PO<sub>4</sub>: HP

OF THE PERSON		Diam.	100 119		-		=	Σ.	1 - 1	45		 	 	 - 1		- 1	-	
Received Intact:	Ye	No	Thermome	eter ID:	140		aram	802	GRO +	d)							НОГР	NaHSO₄: NABIS
Cooler Custody Seals	s: Yes	No N/A	Correction	Factor:			4	Ę	G	Chloride							Ĭ	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Sea	ils: Yes	No N/A	Temperati	ure Reading:	-10.	0,5		m	2 W	ö								Zn Acetate+NaOH: Zn
Total Containers:		103	Corrected	Temperature:					1 80									NaOH+Ascorbic Acid: SAPC
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH									Sample Comments
CS-90	10	12/15/2023	10:20	Х		Comp	1	Х	Х	Х								
CS-91	10	12/15/2023	10:22	Х		Comp	1	Х	Х	X								
CS-92	10	12/15/2023	10:24	Х		Comp	1	Х	Х	Х								
CS-93	10	12/15/2023	10:26	Х		Comp	1	Х	Х	Х								
CS-94	10	12/15/2023	10:28	Х		Comp	1	Х	Х	Х								
CS-95	10	12/15/2023	10:30	Х		Comp	1	X	Х	Х								
CS-96	10	12/15/2023	10:32	Х		Comp	1	Х	Х	Х								
CS-97	10	12/15/2023	10:34	Х		Comp	1	Х	Х	Х								
CS-98	2	12/15/2023	10:36	Х		Comp	1	Х	Х	Х					~			
CS-99	2	12/15/2023	10:38	Х		Comp	1	Х	Х	Х								

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 /	Stodkimill	12-18-23 1055	2		
3	9		4		
5			6		

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	)	

	Becky Haskell				Bill to: (if d	ifferent)		Montg	omerv	Floyd								Wo	rk Or	der C	Comments	
Project Manager:	NTG Environme	ental			Company		N. Station	Permia			S				Progr	am: US	ST/PS	т ПРВ	RP [	Brown	nfields RRC	uperfund
Company Name: Address:	701 Tradewinds				Address:											of Proj						
City, State ZIP:	Midland, TX 797				City, State	e ZIP:																Level IV
Phone:	432-766-1918			Email:											Delive	erables:	EDD		1	ADaP1	T Other	r:
		00 01-1- 000	#21.1	T	Around							AN	IALYS	IS RE	QUEST						Preserv	ative Codes
Project Name:		23 State 2BS 237863	#2H	✓ Routine	Rush		Pres. Code														None: NO	DI Water: H <sub>2</sub> O
Project Number:							Code	Н					$\top$	$\top$							Cool: Cool	MeOH: Me
Project Location		a Co, NM enny Han		Due Date:	day receive	nd by the			MRO)												HCL: HC	HNO <sub>3</sub> : HN
Sampler's Name:	N.	ellily Hall			ived by 4:3		y)		+												H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECE	IPT Tem	p Blank:	Yes No	Wet Ice:	Yes	) No	Parameters	<u></u>	+ DRO	4500											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		No	Thermom	A STATE OF THE PARTY OF THE PAR	140		ıram	8021B	9	de 4	- 1										NaHSO <sub>4</sub> : NAB	
Cooler Custody Sea			Correction	n Factor:	-		Pa	втех	GR	Chloride										Ī	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaS	
Sample Custody Se	als: Yes	110/ 1111	Distriction of the latest con-	ture Reading:	-10,	D&		"	15M	ō											Zn Acetate+Na NaOH+Ascorb	
Total Containers:		103	Corrected	Temperature:					TPH 8015M ( GRO												NaOn+Ascort	JIC ACIU. SAFC
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		ΕŢ												Sample	Comments
CS-100	4	12/15/2023	10:40	Х		Comp	1	Х	Х	Х				$\perp$				$\vdash$		_		
CS-101	4	12/15/2023	10:42	Х		Comp	1	Х	Х	Х				_				$\vdash$				
CS-102	4	12/15/2023	10:44	Х		Comp	1	X	Х	Х				+	_			$\vdash$		_		
CS-103	4	12/15/2023	10:46	Х		Comp	1	Х	Х	Х			+	_	+-	-		$\vdash$		-		
CS-104	4	12/15/2023	10:48	Х		Comp	1	Х	Х	X			+	+	_	-				-		
CS-105	4	12/15/2023	10:50	Х		Comp	1	X	X	X	_		+	+	+-			$\vdash$				
CS-106	5	12/15/2023	10:52	Х		Comp	1	X	X	X	_		+	+	+			$\vdash$	-	-	+	
SW-1	0-1	12/15/2023	10:54	Х		Comp	1	X	X	X	-		+	+	-	-				-		
SW-2	1-3	12/15/2023	_	X		Comp	1	X	X	X	-		-	+	+-	-				-	+	
SW-3	0-1	12/15/2023	10:58	X		Comp	1	X	X	X												

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
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3	01-01-0		4		
5			6		

Released to Imaging: 3/10/2025 3:54:39 PM



August 30, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/26/24 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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



Cool & Intact

Tamara Oldaker

#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/26/2024 Reported: 08/30/2024

 08/26/2024
 Sampling Date:
 08/26/2024

 08/30/2024
 Sampling Type:
 Soil

Sampling Condition:

Sample Received By:

Project Name: OUTLAND 14-23 STATE 2BS 2H Project Number: 20751

Project Location: PERMIAN - LEA CO NM

#### Sample ID: SW 47 B (H245177-01)

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	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/27/2024	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	08/27/2024	ND	188	94.0	200	3.41	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.4	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 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.

Celey & Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/26/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: PERMIAN - LEA CO NM

mg/kg

#### Sample ID: NW1 (H245177-02)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2024	ND	2.01	100	2.00	8.22	
Toluene*	<0.050	0.050	08/27/2024	ND	2.04	102	2.00	7.61	
Ethylbenzene*	<0.050	0.050	08/27/2024	ND	2.09	104	2.00	7.14	
Total Xylenes*	<0.150	0.150	08/27/2024	ND	6.35	106	6.00	7.35	
Total BTEX	<0.300	0.300	08/27/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/27/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2024	ND	188	94.0	200	3.41	
DRO >C10-C28*	<10.0	10.0	08/27/2024	ND	199	99.4	200	1.10	
EXT DRO >C28-C36	<10.0	10.0	08/27/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

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101 East Marland, Hobbs, Nill 662 16 (575) 393-2326 FAX (575) 393-2476 (575) 393-2326 FAX (575) 393-2476	BILL	TO			ANALYSIS REQUEST	
ame: Etech Environment	P.O. #:					
nager: Robbie Ruffield	Company: P	ermian Resources				
2617 West Marland State: NM Zip: 88240	Attn: Mont	gomery Floyd				
bbs Eav #:	Address:					
(575) 264-9884 Project Owner: Permian Resource	City:		1	(B)		
22754	State: Zip	:	loride	(8021B)		
Outland 14-25 State	Phone #:		Chloride	8 8		
cation: 32.460037,	Fax #:	100	Ch	ВТЕХ		
lame: Tania Felio M.	RIX PRESERV.	SAMPLING	F	-   H		
CG)RAB OR (C)OMP.  # CONTAINERS GROUNDWATER WASTEWATER	OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME				
777 C 1		/26/24	Х	X X		
C 1	X 8	/26/24	Х	X X		
2 NW 1			7 - 5			

analyses. All claims including those for negligence and any other services. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of preservices. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of preservices. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of preservices hereunder by Cardinal. Verbal Result: ☐ Yes Add'l Phone #: □ No All Results are emailed. Please provide Email address: pm@etechenv.com Relinquished By: REMARKS: Received By: Date: Relinquished By: Time: Bacteria (only) Sample Condition Standard Turnaround Time: CHECKED BY: Sample Condition Observed Temp. °C Cool Intact Observed Temp. °C Rush (Initials) Delivered By: (Circle One) Cool Intact ☐ Yes ☐ Yes Thermometer ID #140 Yes Yes Corrected Temp. °C 7.4 Correction Factor -0.6°C ☐ No ☐ No Corrected Temp. °C - UPS - Bus - Other:

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

FORM-006 R 3.5 08/05/24



August 30, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: 20751 Sample Received By: Tamara Oldaker

Project Location: PERMIAN - LEA CO NM

#### Sample ID: FL 1 @ 10' (H245214-01)

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	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 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	400	16.0	08/29/2024	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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 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. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW 38 E (H245214-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 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	128	16.0	08/29/2024	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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/27/2024 Sampling Date: 08/26/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 61 B @ 6' (H245214-03)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	2.11	106	2.00	4.12	
Toluene*	<0.050	0.050	08/29/2024	ND	1.98	99.1	2.00	4.59	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.01	101	2.00	4.46	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	5.98	99.6	6.00	4.36	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 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	320	16.0	08/29/2024	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	08/29/2024	ND	195	97.5	200	7.40	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	189	94.7	200	4.79	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	73.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene





### **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page 6 of 6

Released to Imaging: 3/10/2025 3:54:39 PM

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

Company Name		afety Solution	s, Ir	nc.						L	<b>B</b> //	LL TO					ANA	LYSIS	REC	UES	Т		+
Project Manage	er: Robbie Runnels							P.	0. #:								T	T		1			
Address: 261	17 West Marland							Co	mpa	any:		Permian R	Resources	1									
City: Hobbs	Stat	te: NM	Zip:	8	8240	)		At	tn:		М	Montgomery I	Floyd										
Phone #: (57	(5) 264-9884 Fax	#:						Ad	dres	ss:													70.
Project #: 207	751 Proj	ect Owner: I	Perm	nian I	Reso	urces		Cit	ty:							<u></u>							
Project Name:	Outland 14-23 State 2BS 2H							Sta	ate:			Zip:		e e	TPH (8015M)	(8021B)							
Project Location	n: 32.486037, -103.445132							Ph	one	#:		_		Chloride	801	(80							
Sampler Name:	Tania Felts							Fa	x #:					홋	Ī	×							
FOR LAB USE ONLY			$\mathbf{I}$	T		MATR	IX		PRE	SER	۲V.	SAMP	LING	١	T	ВТЕХ							
Lab I.D. Hz4S2V4	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
	FL 1 @ 10'		С	1		Х				Х		8/26/24		Х	Х	Х							$\neg$
	SW 38 E		С	1		Х				X		8/26/24		Х	Х	Х							$\neg$
	CS 61 B @ 6'		C	1		Х	_			Х	1	8/26/24		Х	Х	Х							
			+	+	+		-			-	+												
			+	+	-		+	Н	$\vdash$	+	+												
			+	+			+	Н	$\vdash$	+	+												$\dashv$
			$^{\dagger}$	+			+	Н		+	+					-							-
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LEASE NOTE: Liability an	d Damages. Cardinal's liability and client's exclusi	ive remedy for any cla	im aris	sing whe	ether ba	sed in cor	ntract o	r tort, s	hall be I	limited	to the	e amount paid by	the client for the										

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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repardless of whether such claim is based upon any of the above stated reasons or otherwise

Relinquished By:	Date: 8-27-24 Re	The above stated reason	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
111 A	001		All Results are emailed. Please provide Email address:
1 // the no	Time: 45.5	IIIIIARA NVAARS	pm@etechenv.com
Relinquished By:	Date: Re	eceived By:	REMARKS:
	***		Bushadded 8/29/24
	Time:		24hR
Delivered By: (Circle One)	Observed Temp. °C 3	Sample Condition   CHECKED BY:	Turnaround Time: Standard 🛛 Bacteria (only) Sample Condition
	-0.	(Initials)	Rush Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4	Yes Yes	Thermometer ID #140 Yes Yes
		No No	Correction Factor -0.6°C No No Corrected Temp. °C



August 29, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/28/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/28/2024 Sampling Date: 08/27/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Applyand By 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 43 B @ 10' (H245243-01)

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	08/28/2024	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	0.850	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.28	114	2.00	0.786	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.80	113	6.00	0.630	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	217	108	200	1.10	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	219	110	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	59.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/28/2024 Sampling Date: 08/27/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 47 B @ 7' (H245243-02)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	0.850	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.28	114	2.00	0.786	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.80	113	6.00	0.630	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2024	ND	222	111	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/28/2024	ND	229	114	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	08/28/2024	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/28/2024 Sampling Date: 08/27/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 82 B @ 10' (H245243-03)

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	08/28/2024	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	0.850	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.28	114	2.00	0.786	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.80	113	6.00	0.630	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	222	111	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	229	114	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/28/2024 Sampling Date: 08/27/2024

Reported: 08/29/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW 52 A (H245243-04)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2024	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	08/28/2024	ND	2.24	112	2.00	0.850	
Ethylbenzene*	<0.050	0.050	08/28/2024	ND	2.28	114	2.00	0.786	
Total Xylenes*	<0.150	0.150	08/28/2024	ND	6.80	113	6.00	0.630	
Total BTEX	<0.300	0.300	08/28/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/29/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	222	111	200	0.583	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	229	114	200	0.598	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey & 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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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 3/10/2025 3:54:39 PM

	(575) 393-2326 FAX (Second Etech Environmental &	Safety Solutio	ns, Inc							BIL	L TO					-	NAL	YSIS	REQ	UEST			
npany Name:								P.0	. #:								- 1						
ect Manager:								Cor	npan	y:	Permian Re	esources											
	West Marland	tate: NM	Zip:	88	3240			Attı	ղ։	N	lontgomery F	loyd											
: Hobbs			Zip.					Ado	dress			1											
	204-900-	ax #: roject Owner:	Derm	ian F	Resou	ırces		Cit	<b>/</b> :					<b>=</b>	B)								
ject #: 2075			reiiii	lali	(000)	11000		Sta			Zip:		g B	151	121				-				
ject Name:	Outland 14-23 State 2BS 2								one #				l ĕ	(8015M)	(8021B)								
ject Location	32.486037, -103.4451	32					7		<b>(#:</b>				Chloride	I	BTEX								
npler Name:	Tania Felts		Т	T		MATF	RIX		PRES	SERV.	SAMP	LING	1	TPH	3TI								
_ab I.D.	Sample I.D	).	(G)RAB OR (C)OMP	# CONTAINERS	WASTEWATER	SOIL	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME											
245243	10 D @ 10!		C	1		X				X	8/27/24		Х	Х	Х				-				
1	CS 43 B @ 10'		С	1		X				X	8/27/24		Х	Х	X			-	-				
2	CS 47 B @ 7'		С	1		Х				Х	8/27/24	>	Х	X	Х	_					$\vdash$		
3	CS 82 B @ 10' SW 52 A		С	1		Х				Х	8/27/24		Х	X	X			-	-			-	
4	3VV 32 A												-							-		_	
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal with analyses. All claims including the content of the apparatus of the apparat out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

affiliates or successors arising out of or related to the perform.  Relinquished By:	08.28-24	ed By:		Verbal Result:	Please provid	e Email address: m@etechenv.com
Relinquished By:	Date: Receive	ed By:		REMARKS:	24 HOUR	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C	Sample Condition Cool Intact Pes Pes No No	(Initials)	Turnaround Time:  Thermometer ID #140 Correction Factor -0.6°C	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes No No Corrected Temp. °C



August 30, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/29/2024 Sampling Date: 08/28/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 79 B @ 11' (H245255-01)

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	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	96.0	16.0	08/29/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/29/2024 Sampling Date: 08/28/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: 20751 Sample Received By: Alyssa Parras

PERMIAN - LEA CO NM Project Location:

#### Sample ID: SW 36 B (H245255-02)

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	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/29/2024	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



Alyssa Parras

#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/29/2024 Sampling Date: 08/28/2024

Reported: 08/30/2024 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition:
Project Number: 20751 Sample Received By:

Project Location: PERMIAN - LEA CO NM

#### Sample ID: SW 37 B (H245255-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2024	ND	1.92	95.9	2.00	15.7	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	102	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.25	112	2.00	5.04	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.86	114	6.00	4.25	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/29/2024	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	204	102	200	1.54	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	195	97.7	200	0.326	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 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 whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



#### **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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9

	101 East Marland, Ho (575) 393-2326 FAX																									Page
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-	: Robbie Runnels								P.(	). #:																L
	7 West Marland								Со	mpa	ny:		Permian Re	esources												
	7 VVCSt Walland	State: NM	Zip:		8824	10			Att	n:		М	ontgomery F	loyd												
,	5) 264-9884	Fax #:	·						Ad	dres	ss:															
,	,	Project Owner:	Pern	niar	Res	our	ces		Cit	y:						<b>=</b>	B									
,	Outland 14-23 State 2BS								Sta	ate:		Z	Zip:		ge	TPH (8015M)	(8021B)									
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Relinquished By:	Date:	Received By:		REMARKS:	NA LIOUD		
	Time:			RUSH SAMPLES - 2	24 HOUR		
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			A	Thermometer ID #140 Correction Factor -0.6°C			☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C



August 30, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/29/24 15:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/29/2024 Sampling Date: 08/29/2024

Reported: 08/30/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: SW 61 B (H245284-01)

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	08/29/2024	ND	1.96	97.8	2.00	2.34	
Toluene*	<0.050	0.050	08/29/2024	ND	2.03	101	2.00	1.61	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.07	104	2.00	0.00655	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.43	107	6.00	0.556	
Total BTEX	<0.300	0.300	08/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/30/2024	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	08/30/2024	ND	225	112	200	2.10	
DRO >C10-C28*	<10.0	10.0	08/30/2024	ND	230	115	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/30/2024	ND					
Surrogate: 1-Chlorooctane	108 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134 9	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Received by OCD: 11/13/2024 2::50:27 PM

Page 4 of 4



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	e: Etech Environmental & Safet	y Solutions, Ir	nc.						BI	LL TO					ANAL	YSIS	REC	UEST	Γ			
Project Manage	r: Robbie Runnels						P.C	). #:														$\neg$
	7 West Marland						Col	mpan	y:	Permian f	Resources											
City: Hobbs	State:	NM Zip:	88	8240	)		Att	n:	ı	Montgomery	Floyd											
Phone #: (57	5) 264-9884 Fax #:						Add	dress	:													
Project #: 207	751 Project	Owner: Pern	nian F	Reso	urces		City	<b>/</b> :					<b>=</b>	B B								
Project Name:	Outland 14-23 State 2BS 2H						Sta	te:		Zip:		ge	151	21								
Project Location	n: 32.486037, -103.445132						Pho	ne #	:			Chloride	TPH (8015M)	(8021B)								
Sampler Name:	Tania Felts						Fax	#:				동	Ĭ	X								
FOR LAB USE ONLY		0.	T		MATR	X		PRES	ERV.	SAME	PLING	١	T	BTEX								- 1
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME											
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by 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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, reparalless of whether such claim is based upon any of the above stated reasons or otherwise.

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Sampler - UPS - Bus - Other:	Corrected Temp. °C 2 5	Cool Intact  Yes Yes  No No		Thermometer ID #140 Correction Factor -0.6°C	Rush	XI	Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	Observed Temp. °C  Corrected Temp. °C	
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September 11, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 09/06/24 8:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 09/06/2024 Sampling Date: 09/04/2024

Reported: 09/11/2024 Sampling Type: Soil
Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Shalyn Rodriguez

Project Location: PERMIAN - LEA CO NM

#### Sample ID: MERCHANT OUTLAND PIT (H245395-01)

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	09/09/2024	ND	1.91	95.3	2.00	2.29	
Toluene*	<0.050	0.050	09/09/2024	ND	1.88	93.8	2.00	0.525	
Ethylbenzene*	<0.050	0.050	09/09/2024	ND	1.91	95.5	2.00	0.939	
Total Xylenes*	<0.150	0.150	09/09/2024	ND	5.69	94.9	6.00	0.901	
Total BTEX	<0.300	0.300	09/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	202	101	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	191	95.3	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	58.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Frene



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Project Manager:	Robbie Runnels						-1	P.O.	#:															
ddress: 2617	7 West Marland						_	Com	pan	y:	Permian F	Resources												
ity: Hobbs	State: NM	Zip	):	8824	40		_	Attn	:	N	Montgomery	Floyd												
Phone #: (575)	) 264-9884 Fax #:							Add	ress	:														
Project #: 2075	51 Project Owne	r: Pe	rmia	Res	sourc	es		City						<u>s</u>	B									
roject Name:	Outland 14-23 State 2BS 2H							State	e:		Zip:		e e	151	(8021B)									
Project Location:								Pho	ne#				Chloride	TPH (8015M)	(8)									
Sampler Name:	Robbie Runnels				MATRIX			Fax	#:			PLING	등	Ī	втех			-						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME			М									
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a	inalyses. All claims, including those for negligence and any other c	ause whatsoever shall be dee	med waived unless made in writing	and received by Cardina	al within 30 days after co	ompletion of the applical	ble								
(1	envice. In no event shall Cardinal he liable for incidental or consecutive.	quental damages, including wi	thout limitation, business interruption	ns, loss of use, or loss of	f profits incurred by clie	nt, its subsidiaries,									
2 a	iffiliates or successors arising out of or related to the performance	of services hereunder by Card	inal, regardless of whether such cla	im is based upon any of	the above stated reaso	ns or otherwise.	. D Va	- D No	Add	l'I Phone	4.				$\neg$
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October 16, 2024

ROBBIE RUNNELS
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/14/24 15:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

A .. . l. ... . d D. .. 311

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS - 98A @ 13' (H246242-01)

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	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	0.083	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.7	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS - 99A @ 12' (H246242-02)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 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	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						
=									

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: 20751 Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 111 @ 12' (H246242-03)

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	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 20751 Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 112 @ 13' (H246242-04)

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	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 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	16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	96.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 113 @ 12' (H246242-05)

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	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: Alyssa Parras 20751 Sample Received By:

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 114 @ 12' (H246242-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/15/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	16.0	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS - 24B @ 5' (H246242-07)

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	10/16/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/16/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 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	128	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.8	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS - 108 @ 2' (H246242-08)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/16/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 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	272	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	13.8	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/14/2024 Sampling Date: 10/14/2024

Reported: 10/16/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Project Number: Sample Received By: 20751 Alyssa Parras

Project Location: PERMIAN - LEA CO NM

#### Sample ID: SW - 32 B (H246242-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/16/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/16/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 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	416	16.0	10/15/2024	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					
Surrogate: 1-Chlorooctane	60.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	52.0	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celeg D. Freene

Received by OCD: 11/13/2024 2::50:27 PM

Page 12 of 12



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1/2

company Name:	Etech Environmental Safety	Sol	ile	ins	20				L	BIL	L TO	)					× .	ANA	LYSIS	REC	QUES	T			
Project Manager	Joel loury	501					F	.O. #	t:																T
Address: 261	7 w Marland						c	omp	any:	Peri	nian 1	Res	iourses												
city: Hobb		/ Zip	9:0	824	to			ttn:														1.			
Phone #: 575-	-631-13 (a) Fax #:	*		,			A	ddre	ess:																
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	Addison Elston	, .					F	ax#	:																
FOR LAB USE ONLY			Γ	-	MA	TRIX		PR	ESEF	RV.	SAI	MPL	ING	. 6											
Lab I.D.	Sample I.D.	G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL V	OTHER:	DATE	Avelanda (1 M Metril III) Dadi, verificación (distinostrum actividas)	TIME	Chlorides	RTE	TAH									
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-	Relinquished By.		Received By:		REMARKS: 0 10/14/24
-		Time:			PM Retechenv.com, addisoneetechenvcbmi
Section of the last of the las	Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp. °C
The state of the s	Sampler - UPS - Bus - Other:	Corrected Temp. °C.	Yes Yes No No	OP	Thermometer iD #140 Correction Factor **C   No   No   No   Corrected Temp. *C
3	FORM-000 N 3.4 0771 1/23				



October 21, 2024

ROBBIE RUNNELS
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/17/24 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/17/2024 Sampling Date: 10/16/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: PERMIAN - LEA CO NM

mg/kg

#### Sample ID: CS 28 A @ 12' (H246372-01)

BTEX 8021B

BIEX 6021B	ilig	/ Kg	Allalyze	и ву: эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2024	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	10/18/2024	ND	2.09	105	2.00	1.12	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.06	103	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	10/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/18/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	200	100	200	3.85	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	209	105	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

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Celey D. Keine



## Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/17/2024 Sampling Date: 10/16/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 29 A @ 12' (H246372-02)

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	10/18/2024	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	10/18/2024	ND	2.09	105	2.00	1.12	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.06	103	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	10/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	144	16.0	10/18/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	200	100	200	3.85	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	209	105	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/17/2024 Sampling Date: 10/16/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 105 @ 29' (H246372-03)

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	10/18/2024	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	10/18/2024	ND	2.09	105	2.00	1.12	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.06	103	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	10/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	16.0	16.0	10/18/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	200	100	200	3.85	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	209	105	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions **ROBBIE RUNNELS** 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/17/2024 Sampling Date: 10/16/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 20751 Shalyn Rodriguez

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 115 @ 12' (H246372-04)

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	10/18/2024	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	10/18/2024	ND	2.09	105	2.00	1.12	
Ethylbenzene*	<0.050	0.050	10/18/2024	ND	2.06	103	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	10/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 :	% 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	<16.0	16.0	10/18/2024	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	200	100	200	3.85	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	209	105	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

Etech Environmental & Safety Solutions ROBBIE RUNNELS 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/17/2024 Sampling Date: 10/16/2024

Reported: 10/21/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shalyn Rodriguez

Project Location: PERMIAN - LEA CO NM

#### Sample ID: CS 116 @ 12' (H246372-05)

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	10/18/2024	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	10/18/2024	ND	2.09	105	2.00	1.12	
Ethylbenzene*	< 0.050	0.050	10/18/2024	ND	2.06	103	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/18/2024	ND	6.04	101	6.00	2.07	
Total BTEX	<0.300	0.300	10/18/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 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	<16.0	16.0	10/18/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2024	ND	200	100	200	3.85	
DRO >C10-C28*	<10.0	10.0	10/18/2024	ND	209	105	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	10/18/2024	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Released to Imaging: 3/10/2025 3:54:39 PM

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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	(5/5) 393-2320 FAX (5/5) 393-247		nc	-			10	PER C		RII	L TO					-	NAL	YSIS	REQ	UEST		
Company Name:		15, 1	116.				-	2.0.	#-		LIU											П
Project Manager:	Robbie Runnels						-															- 1
Address: 2617	West Marland						_	com	pan		Permian Re											- 1
City: Hobbs	State: NM	Zip	:	8824	0		_ /	Attn:		N	lontgomery F	oyd										- 1
	i) 264-9884						1	Addr	ess	:												- 1
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Project #: 2075							-	State	e:		Zip:		g g	15	(8021							- 1
	Outland 14-23 State 2BS 2H						-	Phor				-	ğ.	80,	8							
Project Location	: 32.486037, -103.445132						-	Fax					Chloride	TPH (8015M)	×							- 1
Sampler Name:	Miguel Ramirez	_			MAT	TRIX	_			ERV.	SAMP	LING	0	直	втех							
FOR LAB USE ONLY	-	۳.	ı					_						-	<u> </u>							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME										
1096010	CS 28 A @ 12'	С			X				2	X	10/16/24		Х	Х	Х			_	_			$\vdash$
5	CS 29 A @ 12'	С	1		Х					X	10/16/24		Х	X	Х			_	_			H
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11	CS 115 @ 12'	С	1		X					X	10/16/24		Х	X	X				_			$\vdash$
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affiliates or successors arising out of or related to the performance of	services hereunder by Cardinal	il, regardless of whether such claim is based upon any	Of the above stated reasons	or outer most	☐ No Add'I Phone #:	
affiliates or successors ansing out or or related to the performance of	CONTROL MANAGEMENT	Descripted Day	-	Verbal Result: ☐ Yes		
Relin/quished By:	Date:	Received By:	I-	All Desults are smalled DI	lease provide Email address:	
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Delivered by. (Official Offic)	-4.1	Cool Intact	(Initials)	/02		• • • • • • • • • • • • • • • • • • • •
	0-6		~ 0	Thermometer ID #140	Yes Yes	
Sampler - UPS - Bus - Other: Cor	rected Temp. °C	Yes Yes	$\sim$	Control of the Cartes	X HI No No	Corrected Temp. °C
Sampler - UPS - Bus - Other.		No □ No □		Correction Factor -0.6°C	) F/I	Controlled Lempi C
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October 23, 2024

JOEL LOWRY
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: OUTLAND 14-23 STATE 2BS 2H

Enclosed are the results of analyses for samples received by the laboratory on 10/22/24 8:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Applyand By 14

Project Location: PERMIAN - LEA CO NM

#### Sample ID: SW-54B (H246418-01)

Received:

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	176	16.0	10/22/2024	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	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact Sample Received By: Project Number: 20751 Alyssa Parras

PERMIAN - LEA CO NM Project Location:

#### Sample ID: SW-55B (H246418-02)

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	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	288	16.0	10/22/2024	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	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Applyzod By: 14

Fax To:

Received: 10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW-13B (H246418-03)

RTFY 8021R

B1EX 8021B	mg	/ Kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PL	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/22/2024	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						
<u> </u>									

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW-14B (H246418-04)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 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	192	16.0	10/22/2024	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	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW-62B (H246418-05)

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	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	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	256	16.0	10/22/2024	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	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 10/22/2024 Sampling Date: 10/16/2024

Reported: 10/23/2024 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE 2BS 2H Sampling Condition: Cool & Intact
Project Number: 20751 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: PERMIAN - LEA CO NM

ma/ka

#### Sample ID: SW-63B (H246418-06)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2024	ND	1.94	97.2	2.00	5.59	
Toluene*	<0.050	0.050	10/22/2024	ND	2.03	102	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/22/2024	ND	2.15	107	2.00	6.89	
Total Xylenes*	<0.150	0.150	10/22/2024	ND	6.41	107	6.00	7.55	
Total BTEX	<0.300	0.300	10/22/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	256	16.0	10/22/2024	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	10/22/2024	ND	238	119	200	14.2	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	242	121	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Frence



#### **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.

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

Page 9 of 9

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ARDINAL LABORATORIES

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476		1/1
Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager: Joel Lowry	P.O. #:	ANALYSIS REQUEST
Address: P.O. Box 301  City: Lovington State: NM Zip: 88260	Company: Permian Resources Attn: Montagemeny Floyd	
Phone #: (575) 396-2378	Address:	whose body and the state of the
Project #: 20751 Project Owner: New Plant	City:	
Project Name: Outland 14-23 State 285 24	State:	S B
Project Location: 32. 486 037, -103. 445132	Phone #:	Chloride TPH (8015M) 3TEX (8021B)
Sampler Name: Miguel Ruminez		1011 (8)
FOR LAB USE ONLY MATRIX	Fax #: PRESERV SAMPLING	[ 5 ] 표   윤
Tab I.D. Sample I.D.   X   X   X   X   X   X   X   X   X	TIME  STODGE  STODGE  STODGE  A COLLEY 13:30  X 10/16/24 14:30  X 10/16/24 14:30  X 10/16/24 14:30  X 10/16/24 15:00  X 10/16/24 15:00  X 10/16/24 15:30	X X X X X X X X X X X X X X X X X X X
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in connalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing ervice. In o event shall, cardinal be liable for incidental or consequental damages, including without limitation, business interruptic filliates by successors African goverfor related to the performance of services hereunder by Cardinal, regardless of whether such of Received By:  Time:  Delivered By: (Circle One)  Sample Communication of Cool Intaction of Cool In	and received by Cardinal within 30 days after completion of the is, loss of use, or loss of patrits incurred by client, its subsidiaries im is based upon any of the above stated reasons or otherwise.  Phone Result: REMARKS:  Please em	uft:  Yes  No Add'l Phone #:

FORM-006 Revision 1.0

Received by OCD: 11/13/2024 2::50:27 PM

# Appendix D Photographic Log

# Photographic Log

**Photo Number:** 

1

**Photo Direction:** 

Northeast

**Photo Description:** 

View of excavation activities.



**Photo Number:** 

2

**Photo Direction:** 

West

**Photo Description:** 

View of excavation activities.



# Photographic Log

**Photo Number:** 

3

**Photo Direction:** 

North

**Photo Description:** 

View of excavation activities.



**Photo Number:** 

4

**Photo Direction:** 

East

**Photo Description:** 

View of excavation activities.



# Photographic Log

**Photo Number:** 

5

**Photo Direction:** 

Northwest

**Photo Description:** 

View of backfilling and compacting activities.



**Photo Number:** 

6

**Photo Direction:** 

Southeast

**Photo Description:** 

View of portion of the excavated area.



# Photographic Log

**Photo Number:** 

7

**Photo Direction:** 

North

**Photo Description:** 

View of the affected area after remediation activities.



**Photo Number:** 

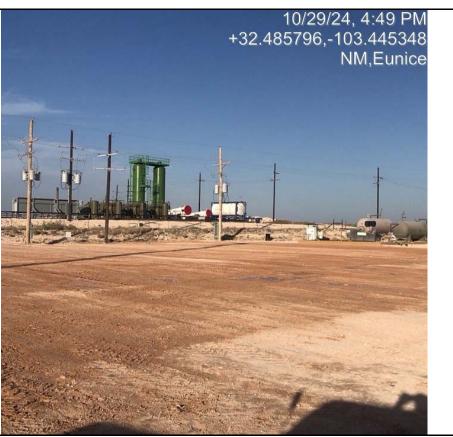
8

**Photo Direction:** 

Northeast

**Photo Description:** 

View of the affected area after remediation activities.



# Appendix E Regulatory Correspondence

Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Home Op

Operator Data

**Action Status** 

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID:

293175

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

12/11/2023

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

2,500

What is the estimated number of samples that will be gathered

12/13/2023

19.15.29.12 NMAC

09:00 AM

Time sampling will commence

Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Kenny Han 575-988-8856

Please provide any information necessary for navigation to sampling site

32.486074,-103.445038

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	this submission.			
Conditions				
Summary:	khart (12/11/2023), Failure to notify the OCD of sampling events including any changes i remediation closure samples not being accepted.	n date/time per the red	quirements of 19.15.29.12	L.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for the	uis submission.			
Go Back				

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Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

294029

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

12/13/2023

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023

Surface Owner

State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

1,500

What is the estimated number of samples that will be gathered

19.15.29.12 NMAC

12/15/2023

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

tyler kimball 432-582-4051

32.486074,-103.445038

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for t	his submission.			
Conditions				
Summary:	khart (12/13/2023), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	s in date/time per the re	quirements of 19.15.29.12	.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	s submission.			
Go Back				

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Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

323678

[331165] Earthstone Operating, LLC

Operator: Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/15/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

19.15.29.12 NMAC

05/20/2024

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Tyler Kimball 432-582-4051

Please provide any information necessary for navigation to sampling site

coordinates 32.48604, -103.44496

				Searches	Operator Data	Hearing Fee Application
Comments						
No comments found for	or this submission.					
Conditions						
Summary:	khart (3/15/2024), Failure to no remediation closure sample	tify the OCD of sampling events inc s not being accepted.	cluding any changes in date	e/time per the requ	irements of 19.15.29.12.L	0.(1).(a) NMAC, may result in the
Reasons						
No reasons found for	this submission.					
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		New Mexico Energy, Minerals and Na 1220 South St. Francis Drive   Santa Fe, N				

Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

323587

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/15/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC

05/19/2023

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tyler Kimball 432-582-4051 32.48613,-103.44518

Page 298 of 416

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	r this submission.			
Conditions				
Summary:	khart (3/15/2024), Failure to notify the OCD of sampling events including any charemediation closure samples not being accepted.	anges in date/time per the requ	uirements of 19.15.29.12.t	D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for the	nis submission.			
Go Back				
	New Mexico Energy, Minerals and Natural Resources Discourt St. Francis Drive   Santa Fe, NM 87505   P: (50			

Searches

Districts:

Counties:

**Operator Data** 

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**Hearing Fee Application** 

# **OCD Permitting**

Home Ope

erator Data

**Action Status** 

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

294838

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

12/14/2023

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release
Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

# Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

8,000

What is the estimated number of samples that will be gathered

...

19.15.29.12 NMAC

12/18/2023

19.15.29.12 NWAC

Time sampling will commence

09:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Unknown at this time

Please provide any information necessary for navigation to sampling site see gps

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	r this submission.			
Conditions				
Summary:	khart (12/14/2023), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	in date/time per the re	quirements of 19.15.29.12	.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for the	nis submission.			
Go Back				

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Searches

Districts:

Counties:

**Operator Data** 

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**Hearing Fee Application** 

# **OCD Permitting**

Home Op

perator Data

**Action Status** 

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

323682

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/15/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

03/19/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

tyler kimball 432-582-4051

Please provide any information necessary for navigation to sampling site

coordinates 32.48604, -103.44496

				Searches	Operator Data	Hearing Fee Application
Comments						
No comments found f	or this submission.					
Conditions						
Summary:		to notify the OCD of sampling ever amples not being accepted.	nts including any changes in dat	e/time per the requ	uirements of 19.15.29.12.I	0.(1).(a) NMAC, may result in the
Reasons						
No reasons found for	this submission.					
Go Back						
			and Natural Resources Department   0 ta Fe, NM 87505   P: (505) 476-3200			
					EMMIDD II	000 0

**OCD** Permitting

SIGN-IN HELP

Searches

Districts:

Counties:

**Operator Data** 

Hobbs

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**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

323684

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/15/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

19.15.29.12 NMAC

03/20/2024

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tyler Kimball 432-582-4051 32.48613,-103.44518

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		Searches	Operator Data	Hearing Fee Application
Comments				
No comments f	und for this submission.			
Conditions				
Summary:	khart (3/15/2024), Failure to notify the OCD of sampling events including any charemediation closure samples not being accepted.	anges in date/time per the requ	irements of 19.15.29.12.	D.(1).(a) NMAC, may result in the
Reasons				
No reasons fou	d for this submission.			
Go Back				

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Searches Operator Data Hearing Fee Application

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Districts:

Counties:

**OCD Permitting** 

Home Operator D

Operator:

ta Action Statu

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 323685

[331165] Earthstone Operating, LLC

**Description:** Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status: APPROVED
Status Date: 03/15/2024

**References (2):** 30-025-44157, nAPP2328345879

**Forms** 

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#) nAPP2328345879

Incident Name NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Produced Water Release
Incident Status Initial C-141 Approved

Incident Well [30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered 09/25/2023
Surface Owner State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet 5,000
What is the estimated number of samples that will be gathered 50

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

19.15.29.12 NMAC

Time sampling will commence 08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Tyler Kimball 432-582-4051

Please provide any information necessary for navigation to sampling site

32.48613,-103.44518

03/21/2023

			Searches	Operator Data	Hearing Fee Application
Comments					
No comments found for	r this submission.				
Conditions					
Summary:	khart (3/15/2024), Failure to notify the OCD of sampling remediation closure samples not being accepted.	events including any changes in date	e/time per the requ	irements of 19.15.29.12.0	D.(1).(a) NMAC, may result in the
Reasons					
No reasons found for	his submission.				
Go Back					
		erals and Natural Resources Department   C   Santa Fe, NM 87505   P: (505) 476-3200   I			

Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

323687

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/15/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

03/22/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

TYLER KIMBALL 432-582-4051

Please provide any information necessary for navigation to sampling site

coordinates 32.48604, -103.44496

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found	for this submission.			
Conditions				
Summary:	khart (3/15/2024), Failure to notify the OCD of sampling events including any changes in remediation closure samples not being accepted.	date/time per the req	uirements of 19.15.29.12.	D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for	this submission.			
Go Back				
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Searches

Districts:

Counties:

**Operator Data** 

Hobbs

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**Hearing Fee Application** 

# **OCD Permitting**

Home Ope

erator Data

Action Status

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID: 326

326236

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

03/25/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release
Initial C-141 Approved

initial o 141 Apple

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

5,000

What is the estimated number of samples that will be gathered

50

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

03/27/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

TYLER KIMBALL 432-582-4051

Please provide any information necessary for navigation to sampling site

coordinates 32.48604, -103.44496

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for the	his submission.			
Conditions				
Summary:	khart (3/25/2024), Failure to notify the OCD of sampling events including any remediation closure samples not being accepted.	y changes in date/time per the requ	irements of 19.15.29.12.I	D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
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**Hearing Fee Application** 

# **OCD Permitting**

Home Ope

Operator:

Description:

Status Date:

rator Data

Action Status

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 326237

[331165] Earthstone Operating, LLC

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status: APPROVED

**References (2):** 30-025-44157, nAPP2328345879

03/25/2024

**Forms** 

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

Incident Name NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Produced Water Release
Incident Status Initial C-141 Approved

Incident Well [30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

Location of Release Source

Site Name OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered 09/25/2023
Surface Owner State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet 5,000
What is the estimated number of samples that will be gathered 50

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

03/28/2024

nAPP2328345879

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

TYLER KIMBALL 432-582-4051

Please provide any information necessary for navigation to sampling site

coordinates 32.48604, -103.44496

ReflectionStatusItem.aspx?ab=38,148,100,101,145,84,101,252&cd=221,86,58,119,18...

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	or this submission.			
Conditions				
Summary:	khart (3/25/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	s in date/time per the red	quirements of 19.15.29.12.	D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for t	his submission.			
Go Back				
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Counties:

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**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

324572

[372165] Permian Resources Operating, LLC

Description: Permian Resources Operating, LLC [372165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED 04/10/2024

Status Date: References (2):

Operator:

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023

Surface Owner

State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

12,000

What is the estimated number of samples that will be gathered

04/12/2024

19.15.29.12 NMAC

Time sampling will commence

09:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tyler Kimball (432)582-40541

GPS: 32.486196, -103.445067

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	or this submission.			
Conditions				
Summary:	mtaylorpr (4/10/2024), Failure to notify the OCD of sampling events including any change remediation closure samples not being accepted.	s in date/time per the	requirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for	this submission.			
Go Back				
	New Mexico Energy, Minerals and Natural Resources Departmer 1220 South St. Francis Drive   Santa Fe, NM 87505   P: (505) 476-32			

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# **OCD Permitting**

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Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376523

Operator:

Description:

[331165] Earthstone Operating, LLC
Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED 08/22/2024

Status Date:
References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

State

09/25/2023

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

85

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

08/28/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Tania Felts 431.313.1566

Please provide any information necessary for navigation to sampling site

GPS: 32.486014, -103.445046

				Searches	Operator Data	Hearing Fee Application
Comments	S					
No comments	s found for this	submission.				
Conditions	8					
Summary:		mtaylorpr (8/22/2024), Failure to notify the remediation closure samples not being	s including any changes i	n date/time per the r	equirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
Reasons						
No reasons fo	ound for this sul	omission.				
Go Back						

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# **OCD Permitting**

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**Action Status** 

Action Search Results

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### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 3

349842

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

05/31/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release

Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

State

09/25/2023

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

1,000

What is the estimated number of samples that will be gathered

20

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

06/03/2024

19.15.29.12 NMAC

Time sampling will commence

09:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site Becky Haskell 432-766-1918

32.48612,-103.44466

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	this submission.			
Conditions				
Summary:	mfloyd (5/31/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	in date/time per the re	quirements of 19.15.29.12	2.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for th	ris submission.			
Go Back				
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# **OCD Permitting**

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376504

[372165] Permian Resources Operating, LLC

Operator: Description:

Permian Resources Operating, LLC [372165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED 08/22/2024

Status Date: References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023

Surface Owner

State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

2,600

What is the estimated number of samples that will be gathered

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

08/26/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tania Felts 432.313.1566

32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for this	s submission.			
Conditions				
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	in date/time per the r	equirements of 19.15.29.12	2.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this se	ubmission.			
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# **OCD Permitting**

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Action Status

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Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 3

376522

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

08/22/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release

Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

85

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

08/26/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Tania Felts 431.313.1566

Please provide any information necessary for navigation to sampling site

GPS: 32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for the	nis submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	s in date/time per the	requirements of 19.15.29	.12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
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# **OCD Permitting**

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Action Status

Action Search Results

Action Status Item Details

### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376526

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:
References (2):

08/22/2024

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

85

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

08/30/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	this submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any changemediation closure samples not being accepted.	ges in date/time per the	requirements of 19.15.29	.12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for thi	is submission.			
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**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 376527

[331165] Earthstone Operating, LLC

Operator: Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

08/22/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

State

09/25/2023

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Time sampling will commence

09/02/2024

19.15.29.12 NMAC

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for t	his submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events i remediation closure samples not being accepted.	ncluding any changes in date/time per th	ne requirements of 19.15.29	.12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
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**Hearing Fee Application** 

# **OCD Permitting**

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Action Status

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Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376528

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

08/22/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release
Initial C-141 Approved

initial o 141 App

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

09/04/2024

19.15.29.12 NMAC

03/04/202

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found fo	or this submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any chang remediation closure samples not being accepted.	es in date/time per the	requirements of 19.15.29	.12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for t	this submission.			
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	New Mexico Energy, Minerals and Natural Resources Departm			

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# **OCD Permitting**

Action Search Results

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#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

391267

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED 10/09/2024

Status Date: References (2):

30-025-44157, nAPP2328345879

**Forms** 

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

What is the estimated number of samples that will be gathered

10/16/2024

4,000

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Miguel Ramirez, 432-282-9140

Please provide any information necessary for navigation to sampling site

GPS: 32.485716 ,-103.444967

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	r this submission.			
Conditions				
Summary:	mtaylorpr (10/9/2024), Failure to notify the OCD of sampling events including any change remediation closure samples not being accepted.	es in date/time per the	requirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for th	nis submission.			
Go Back				
	New Mexico Energy, Minerals and Natural Resources Departm 1220 South St. Francis Drive   Santa Fe, NM 87505   P: (505) 476-3			

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Counties:

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**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

391259

[331165] Earthstone Operating, LLC

Operator: Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

10/09/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

4,000

What is the estimated number of samples that will be gathered

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of Time sampling will commence

10/14/2024

19.15.29.12 NMAC

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Miguel Ramirez, 432-282-9140

Please provide any information necessary for navigation to sampling site

GPS: 32.485716, -103.444967

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found f	for this submission.			
Conditions				
Summary:	mtaylorpr (10/9/2024), Failure to notify the OCD of sampling events including any change remediation closure samples not being accepted.	s in date/time per the	requirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for	this submission.			
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Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376536

[331165] Earthstone Operating, LLC

Operator: Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

30-025-44157, nAPP2328345879

, nAPP2328345879

Status:

APPROVED 08/22/2024

Status Date: References (2):

**Forms** 

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type Incident Status Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### **Location of Release Source**

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

09/13/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for the	nis submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any change remediation closure samples not being accepted.	ges in date/time per the	requirements of 19.15.29	.12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
Go Back				

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**Hearing Fee Application** 

# **OCD Permitting**

Home Op

Operator Data

**Action Status** 

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID: 37

376533

[331165] Earthstone Operating, LLC

Description:

Operator:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:
References (2):

08/22/2024

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

19.15.29.12 NMAC

09/11/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

EMNRD Home OCD Main Page OCD Rules Help

SIGN-IN HELP

		Searches	Operator Data	Hearing Fee Application
Comments				
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Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any change remediation closure samples not being accepted.	s in date/time per the i	requirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
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Searches

Districts:

Counties:

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Lea

**Hearing Fee Application** 

# **OCD Permitting**

Home Op

perator Data

Action Status

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### **Submission Information**

Submission ID:

376531

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

08/22/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

09/09/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

Please provide any information necessary for observers to contact samplers

Please provide any information necessary for navigation to sampling site

Tania Felts 431.313.1566

GPS: 32.486014, -103.445046

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		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found for	r this submission.			
Conditions				
Summary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any changes remediation closure samples not being accepted.	s in date/time per the	requirements of 19.15.29.	12.D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for the	nis submission.			
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	New Mexico Energy, Minerals and Natural Resources Departmen 1220 South St. Francis Drive   Santa Fe, NM 87505   P: (505) 476-320			

Searches

Districts:

Counties:

**Operator Data** 

Hobbs

Lea

**Hearing Fee Application** 

# **OCD Permitting**

Home Op

Operator Data

Action Status

Action Search Results

Action Status Item Details

#### [NOTIFY] Notification Of Sampling (C-141N) Application

#### Submission Information

Submission ID:

376530

[331165] Earthstone Operating, LLC

Operator:

Description:

Earthstone Operating, LLC [331165]

, OUTLAND 14 23 STATE 2BS #2H

, nAPP2328345879

Status:

APPROVED

Status Date:

08/22/2024

References (2):

30-025-44157, nAPP2328345879

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#)

nAPP2328345879

Incident Name

NAPP2328345879 OUTLAND 14 23 STATE 2BS #2H @ 30-025-44157

Incident Type
Incident Status

Produced Water Release Initial C-141 Approved

Incident Well

[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

#### Location of Release Source

Site Name

Surface Owner

OUTLAND 14 23 STATE 2BS #2H

Date Release Discovered

09/25/2023 State

#### Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

26,000

What is the estimated number of samples that will be gathered

00

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

09/06/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

#### Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Tania Felts 431.313.1566

Please provide any information necessary for navigation to sampling site

GPS: 32.486014, -103.445046

			Searches	Operator Data	Hearing Fee Application
Co	mments				
No	comments found for this	submission.			
Co	onditions				
	mmary:	mtaylorpr (8/22/2024), Failure to notify the OCD of sampling events including any changes in remediation closure samples not being accepted.	n date/time per the re	equirements of 19.15.29.12	2.D.(1).(a) NMAC, may result in the
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	reasons found for this su	ıbmission.			
Go	Back				
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Form C-141 Page 3

### State of New Mexico Oil Conservation Division

Incident ID	
District RP	1RP5260
Facility ID	
Application ID	

## **Site Assessment/Characterization**

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

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

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

# Characterization Report Checklist: Each of the following items must be included in the report. Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody

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

Form C-141 Page 4

# State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Form C-141 Page 5

# State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

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

# **Site Assessment Report and Proposed Remediation Workplan**

## Chisholm Energy Operating, LLC Outland 14-23 State Com

Lea County, New Mexico
Unit Letter "C/D", Section 14, Township 21 South, Range 34 West
Latitude 32.48571 North, Longitude 103.44495 West
NMOCD Reference No. 1RP-5260

Prepared By:

Etech Environmental & Safety Solutions, Inc.

3100 Plains Highway Lovington, New Mexico 88260

Daniel Dominguez

Joel W. Lowry



Midland • San Antonio • Lubbock • Lovington • Lafayette

#### TABLE OF CONTENTS

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PROJECT INFORMATION	1.0
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#### **FIGURES**

Figure 1 - Topographic Map

Figure 2 - Aerial Proximity Map

Figure 3 - Site & Sample Location Map

#### **TABLES**

Table 1 - Concentrations of BTEX, TPH and/or Chloride in Soil

#### **APPENDICES**

Appendix A - Depth to Groundwater Information

Appendix B - Field Data and Soil Profile Logs

Appendix C - Laboratory Analytical Reports

Appendix D - Photographic Log

## 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chisholm Energy Operating, LLC, has prepared this Report for the Release Site known as the Outland 14-23 State Com. Details of the release are summarized below:

Location of Release Source											
Latitude:	32.48571	Longitude:	-103.44495								
Provided GPS are in WGS84 format.											
Site Name: O	outland 14-23 State Com	Site Type:	Tank Battery								
Date Release Discover	ed: 10/21/2018	API # (if applica	ble): 30-025-44157								
Unit Letter Sec	ction Township	Range	County								
	14 21S	34W	Lea								
Surface Owner: X St		Private (Name									
Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)								
X Produced Water	Volume Released (bbls)	20-30	Volume Recovered (bbls) 10								
Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?											
Condensate	Volume Released (bbls)		Volume Recovered (bbls)								
Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)								
Other (describe)	Volume/Weight Released		Volume/Weight Recovered								
Cause of Release: While filling Frac tank	s to prepare for completion o was open which allo		and 3H wells, a valve on the back of the tank from the tank.								
	Initial Response										
X The source of the	release has been stopped.										
X The impacted area	has been secured to protect hun	nan health and the env	rironment.								
X Release materials	have been contained via the use	of berms or dikes, ab	sorbent pad, or other containment devices								
X All free liquids and	l recoverable materials have bee	en removed and manag	ged appropriately.								

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

#### 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

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

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1 & 2.

#### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

Closure Criteria for Soil Impacted by a Release									
Probable Depth to Groundwater	Constituent	Method	Limit						
	Chloride	EPA 300.0 or SM4500 Cl B	20000 mg/kg						
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg						
>100	DRO + GRO	EPA SW-846 Method 8015M	1000 mg/kg						
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg						
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg						

#### 4.0 INITIAL SITE ASSESSMENT

On **February 12, 2019**, Etech conducted an initial site assessment. During the initial site assessment, four (4) surface samples (SP1 through SP4) were collected from within the release margins. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample SP1, which exhibited a chloride concentration of 32,400 mg/kg. Analytical results indicated TPH concentrations exceeded the NMOCD Closure Criteria in soil samples SP1, SP3 and SP4. A "Site & Sample Location Map" is provided as Figure 3. Field data and soil profile logs, if applicable, are provided as Appendix B.

On **August 2, 2019**, Etech revisited the Site in an effort to further characterize the Site. During the site visit, fourteen (14) soil samples (SP-1R, SP3-#, SP4-R, EH-1 @ Surf., EH-1 @ 1', SH1 @ Surf., SH1 @ 1', SH2 @ Surf., SH2 @ 1', WH1 @ Surf., SH1 @ 1', NH1 @ Surf., NH1 @ 1', NH2 @ Surf. and NH2 @ 1') were collected and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SH2 @ Surf., which exhibited a chloride concentration of 22,800 mg/kg. Analytical results indicated TPH concentrations exceeded the NMOCD Closure Criteria in soil samples SP3-R, EH 1 @ Surf., SH1 @ Surf., SH2 @ Surf., WH1 @ Surf., NH1 @ Surf., and NH2 @ Surf. Based on laboratory analytical results, further delineation was required in the areas characterized by soil samples SP3-R, EH 1 @ Surf., SH1 @ Surf., SH1 @ Surf., SH1 @ Surf., SH2 @ Surf.

On **September 16, 2019**, Etech revisited the Site in an effort to further delineate the affected areas characterized by soil samples SP3-R, EH 1 @ Surf., SH1 @ Surf., SH2 @ Surf., WH1 @ Surf., NH1 @ Surf., and NH2 @ Surf. During the site visit, twelve (12) soil samples (SP3b @ 2', SP3b @ 4', SP3b @ 6', SP3b @ 8', SP3b @ 10', SP3b @ 11', SH-1b @ Surf., SH-2b @ Surf., ) were collected and submitted to the laboratory for analysis of TPH and/or chloride concentrations. Laboratory analytical results indicated TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples SP3b @ 2', SP3b @ 4', and SP3b @ 6', which exhibited TPH concentrations of 43,650, 18,170 and 2,500 mg/kg, respectively.

Based on field observations and field test data, **thirty-one (31)** delineation soil samples were submitted to the laboratory for analysis of BTEX, TPH and/or Chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond 8 ft. bgs and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria was adequately defined. A "Soil Chemistry Table" is provided as Table 1. Laboratory Analytical Reports are provided in Appendix C.

#### 5.0 PROPOSED REMEDIATION PLAN

Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment, Chisholm Energy Operating, LLC proposes the following remediation activities designed to advance the Site toward an approved closure:

- •Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the areas characterized by sample points SP1 and SP4 to a depth of approximately 1 ft. bgs and sample point SP3/SP3b to a depth of approximately 8 ft. bgs.
- •The floor and sidewalls of the excavated area will be advanced until laboratory analytical results indicated impacted soil affected above the NMOCD Closure Criteria has been removed.
- •Excavated material will be temporarily stockpiled on-site, then transported to an NMOCD-approved disposal facility.
- •Upon excavating impacted soil affected above the NMOCD Closure Criteria, collect the requisite excavation confirmation soil samples.
- •Upon receiving laboratory analytical results from excavation confirmation soil samples, backfill the excavated area with locally sourced, non-impacted "like" material.
- •Excavation backfill will be contoured to match the surrounding topography.
- •Upon completion of remediation activities, prepare a Remediation Summary and Site Closure Request detailing remediation activities and the results of confirmation soil samples.

#### 6.0 SAMPLING PLAN

Upon completion of excavation activities, representative five-point composite excavation confirmation soil samples will be collected from the excavation sidewalls in each cardinal direction, representing no more than 50 linear ft. A minimum of **one** (1) representative five-point composite excavation confirmation soil sample will be collected from the base of the excavated area representing every 300 square feet. Additional, discrete grab samples will be collected from wet or visibly stained areas inferred to have been affected by the release, as necessary.

#### 7.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within 90 days of receiving necessary approval(s) of the Site Assessment Summary and Proposed Remediation Plan. Based on laboratory analytical results, site characteristics and field observations made during the initial site assessment it is estimated that approximately 400 cubic yards is in need of removal.

#### 8.0 RESTORATION, RECLAMATION AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

#### 9.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Site Assessment Report and Proposed Remediation Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference in the report and on oral statements made by certain individuals. Basis has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Chisholm Energy Operating, LLC. Use of the information contained in this report is prohibited within the consent of Etech and/or Chisholm Energy Operating, LLC.

#### 10.0 DISTRIBUTION

Chisholm Energy Operating, LLC 801 Cherry St. Suite 1200 FT Worth, TX 76102

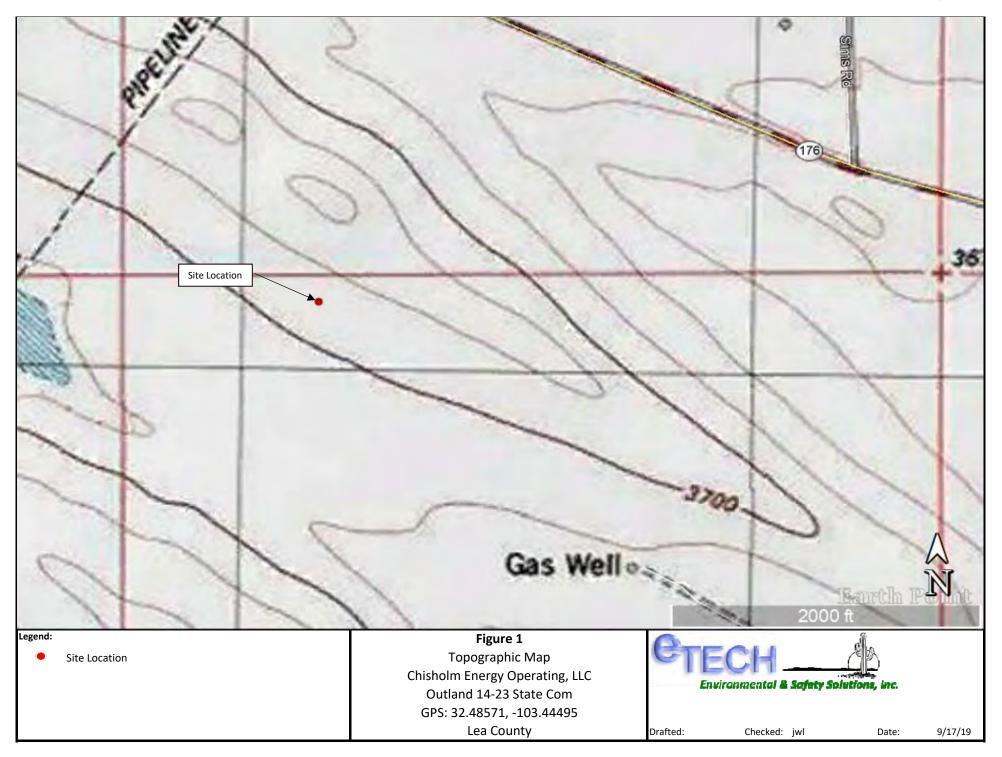
**New Mexico Energy, Minerals and Natural Resources Department**Oil Conservation Division, District 1
1625 N. French Drive
Hobbs, NM 88240

**Hobbs Field Office** 

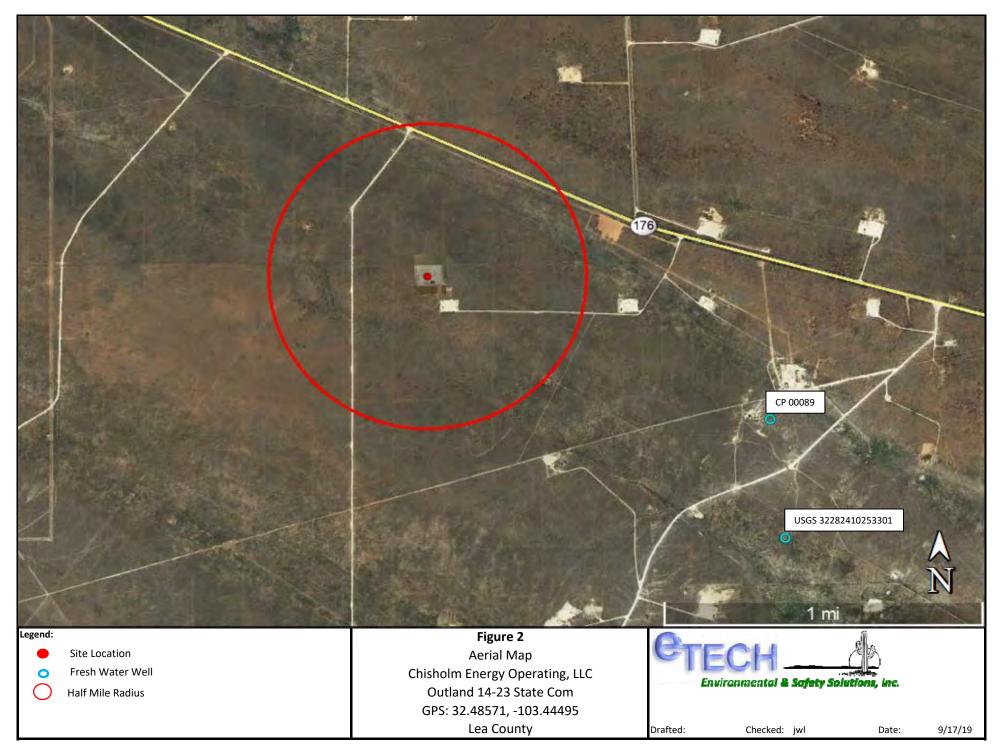
New Mexico State Land Office 2827 North Dal Paso Street Suite 117 Hobbs, NM 88240

(Electronic Submission)

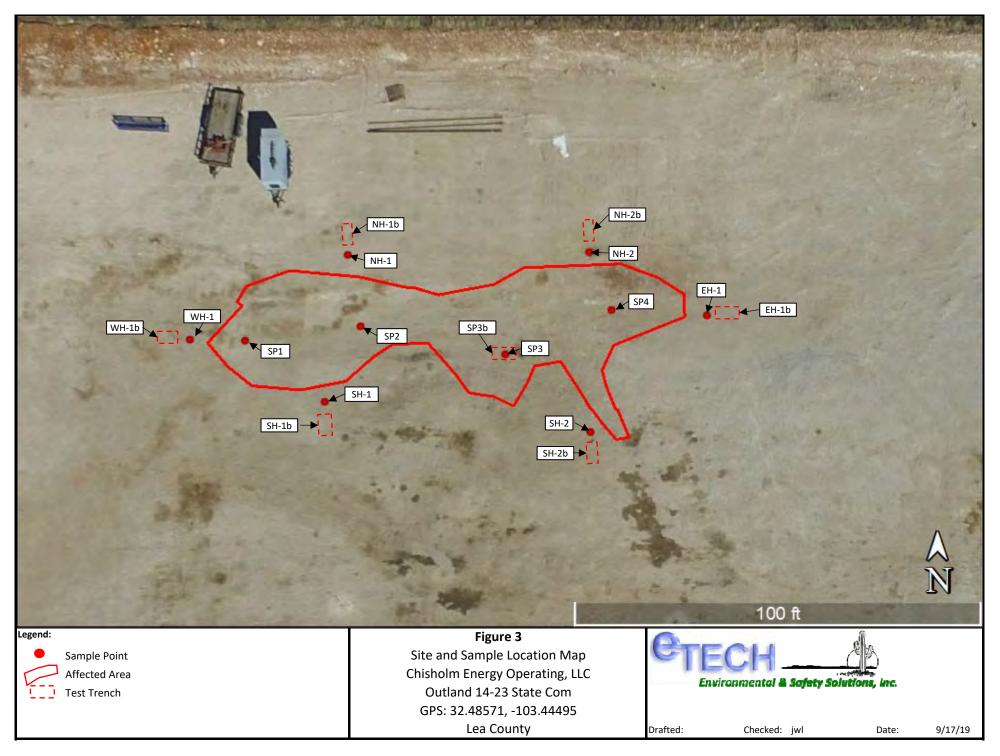
# Figure 1 Topographic Map



# Figure 2 Aerial Proximity Map



# Figure 3 Site and Sample Location Map



# Table 1 Concentrations of BTEX, TPH, and/or Chloride in Soil

# TABLE 1 CONCENTRATIONS OF BENZENE, BTEX TPH AND CHLORIDE IN SOIL

# Chisholm Energy Operating, LLC Outland 14-23 State Com

_	_	٠.	_	Ī		_	_	_	٠		_	_	_		_	_		
P	N١	И	C	)	C	I)	Re	f.	#	:	1	К	Н	'_	5	20	60	1

				SW 846	8021B		4500 Cl				
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP1	2/12/19	Surface	In-Situ	< 0.050	0.35	<100	19,400	19,400	677	20,077	32,400
SP2	2/12/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	682	682	441	1,123	2,080
SP3	2/12/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	1,600	1,600	768	2,368	6,560
SP4	2/12/19	Surface	In-Situ	< 0.050	< 0.300	<50.0	12,300	12,300	8,840	21,140	8,130
SP1-R	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	201	201	16.6	217.6	3,720
SP3-R	8/2/19	1'	In-Situ	< 0.050	8.78	355	17800	18,155	1,080	19,235	3,680
SP4-R	8/2/19	1'	In-Situ	< 0.050	0.487	<10.0	45.1	45.1	16.3	61.4	592
EH1	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	4120	4,120	2,120	6,240	2,080
EH1	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	10.9	10.9	160
SH1	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	2,910	2,910	756	3,666	1,250
SH1	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
SH2	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	3,660	3,660	1,190	4,850	22,800
SH2	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,640
WH1	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	2,390	2,390	597	2,987	19,600
WH1	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
NH1	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	6,180	6,180	427	6,607	5,520
NH1	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
NH2	8/2/19	Surface	In-Situ	< 0.050	< 0.300	<10.0	1,770	1,770	883	2,653	3,640
NH2	8/2/19	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP3b@2'	9/16/19	2'	In-Situ		-	250	38,000	38,250	5,400	43,650	
SP3b@4'	9/16/19	4'	In-Situ	-		170	18,000	18,170	<4,600 <sup>D</sup>	18,170	3,200
SP3b@6'	9/16/19	6'	In-Situ		-	<4.8	2,500	2,500	<480 <sup>D</sup>	2,500	
SP3b@8'	9/16/19	8'	In-Situ		-	<4.9	430	430	62	492	
SP3b@10'	9/16/19	10'	In-Situ			<4.9	320	320	320 190		
SP3b@11'	9/16/19	11'	In-Situ			<4.9	<9.3	<14.2	<14.2 <47		190
SH-1b@surf	9/16/19	Surface	In-Situ			<4.8	11	11			
SH-2b@surf	9/16/19	Surface	In-Situ			<4.7	33	33	< 50	33	500
NH-1b@surf	9/16/19	Surface	In-Situ			< 5.0	28	28	<48	28	
NH-2b@surf	9/16/19	Surface	In-Situ			<4.9	24	24	<49	24	
EH-1b@surf	9/16/19	Surface	In-Situ			<4.7	12	12	<47	12	
WH-1b@surf	9/16/19	Surface	In-Situ			<4.8	18	18	<49	18	490
Clo	osure C	riteria		10	50	-	-	1,000	-	2,500	20,000

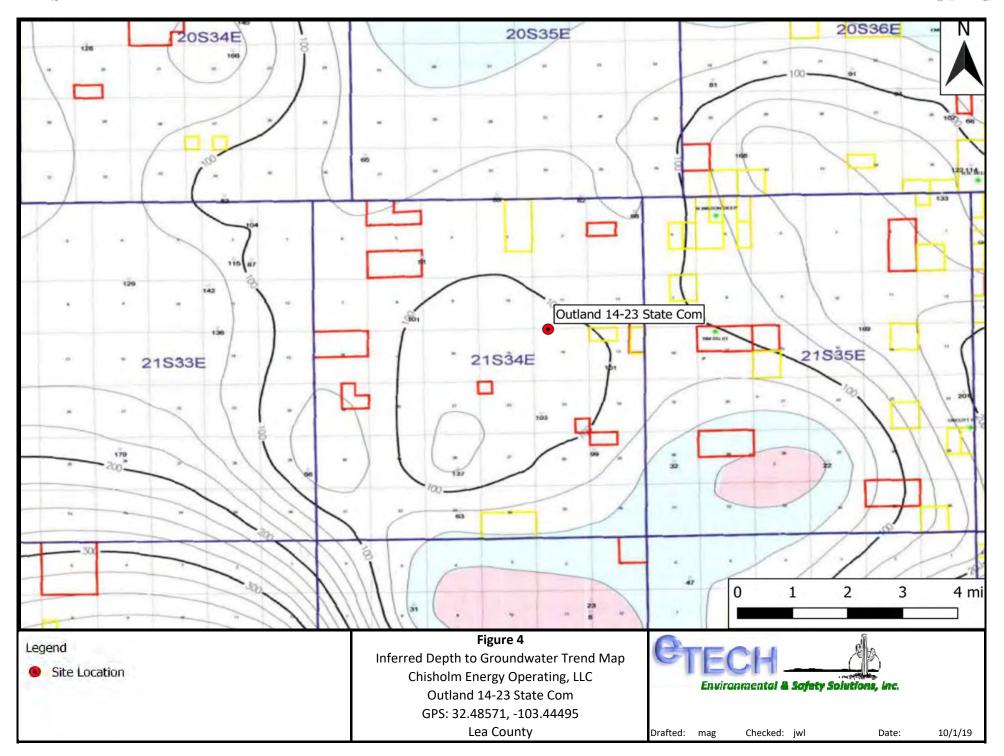
#### NOTES:

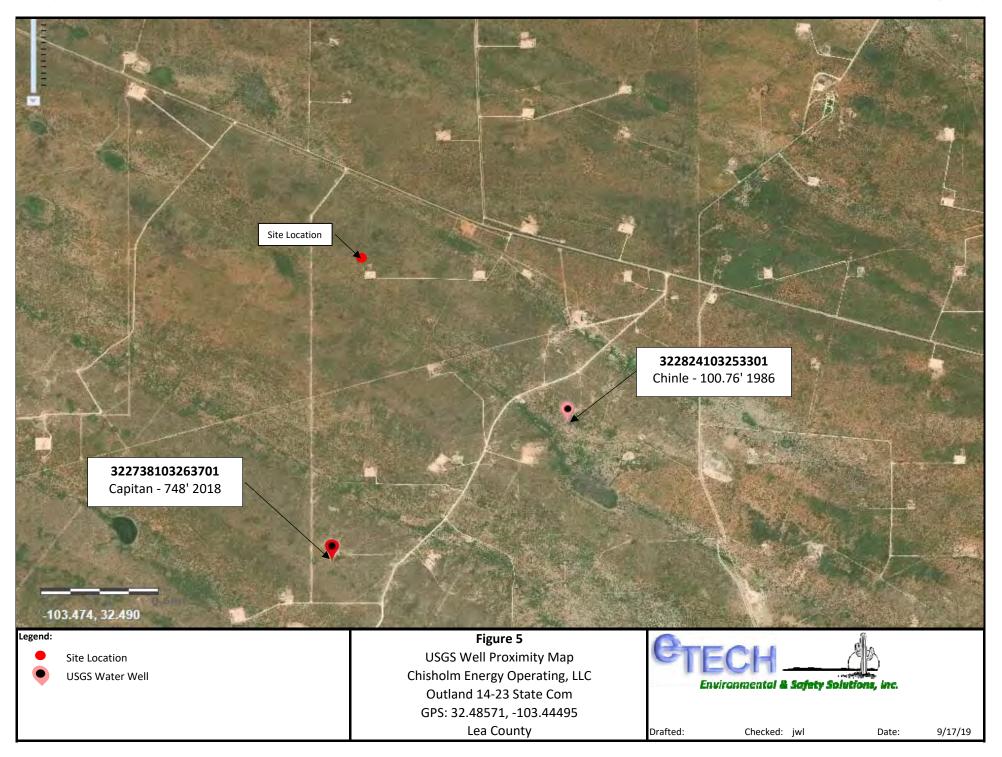
**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

<sup>-- =</sup> Sample not analyzed for constituent

 $<sup>^{\</sup>mathrm{D}}$  = Sample diluted due to matrix

# Appendix A Depth to Groundwater Information







### New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

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

closed) (quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

		POD												
		Sub-		QQ	Q							Depth	Depth	Water
POD Number	Code	basin	County	64 16	4 5	Sec	Tws	Rng	Х	Υ	Distance	Well	Water	Column
								34E	647840	3594615	1876	235		

Average Depth to Water: -

Minimum Depth: --

Maximum Depth: --

### **Record Count: 1**

**UTMNAD83** Radius Search (in meters):

**Easting (X):** 646109 **Northing (Y):** 3595340 **Radius:** 2000

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, or suitability for any particular purpose of the data.



Well Tag

### 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)

Q64 Q16 Q4 Sec Tws Rng

X

2 1 13 21S 34E

647840 3594615

5 🌍

Driller License: Driller Company:

**Driller Name:** BUCK THERIAE

CP 00089

**POD Number** 

Drill Start Date: 08/28/1943 Drill Finish Date: Plug Date:

Log File Date: PCW Rcv Date: Source: Shallow

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:7.00Depth Well:235 feetDepth Water:

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.

9/17/19 8:40 AM

POINT OF DIVERSION SUMMARY

### Appendix B Field Data and Soil Profile Logs



### Sample Log

Date:	8	1	119	
-------	---	---	-----	--

Project: 10035

Project Number: Outland 14-23 State Com Pad 2H & 3H Latitude: 32.48571 Longitude: -103.44495

Sample ID	PID/Odor	Chloride Conc.	GPS
SP#1 @ Surt.		72428	32.4800, -103.4463
SP#108"-R		7 2428	72. 1000 -103.448 \$
SP#3 PSurt.		72429	32.4859 - 103.4451
5P#30 8"-R		72424	, 103.7431
SP#41PSul.		1728	37.484.0 107.440
SP#401'-R		832	32.4860 -103.4450
NH-1 @ Suct.		4904	37.4840, -103.4456
1VH-101'		(060	31.4800, -103.448
NH-20Surt		4904 72428	22 110/11 2 111 52
NH-201'		to 240	37.4866, -103.4450
5H-1054-1		1336	20 1 00 4
14-101		280	32.4959, -103.4453
SH-20 Surt.		72428	37.4895, -103.4451
5H-ZO1'		1670	52.4845, -103.4451
WH-1 OSurt.		72428	22 1181 2 112
WH-I PI'		152	37.4860 ,-103.4453
EH-1 P Surl		1420	
EH-101'		104	32.4859, -103, 4450
		100	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

**GPS Sample Points, Center of Comp Areas** 



### **Initial Release Assessment Form**

			Date:		
roject:	10035	Clean Up Level:	600 mg/kg Cl-,	100 mg/kg TPH	
roject Number:	Outland 14-23 State Com Latitude:	32.48571	Longitude:	-103.44495	
		Site Diagram			
1				-	· ·
	NH-1	NH-5			
J	0 14 1	5043 50ml).	EH-1		
1	WH-1 of 350				
1	5H-1				
7					
Į.		SH-2			
ſ					
- 7					
1					
T.					
1.7					
1					
Notes: Revisit	Delease Site				
Conduct in	tial relación ascocurant				
Collect Horizo	tel : Upotical Samples				
Field Screen	or Curoride				
~Length:	~Width: ~Area:		~Depth:		
				Yes No	
	Pictures of the Affected Area including	g sample locations?			
	Field Screened and on Ice?				
	reen Data Entered on Sample Log?				
Was horizontal and	vertical delineation achieved?				



### Sample Log

09.16.19 Date:

Project: Outland 14-23 State Com
Project Number: 10035 Latitude: 32.48571 Longitude: -103. 44495

Sample ID	PID/Odor	Chloride Conc.	GPS
SP3621	349.5	1144 10:00	O TPH
SP 3b Q4'	978.5	1984 10:1	
SP 360 4	157.7	1860 10:2	
sp spe 8,	102.8	1032 10:4	
SP 3b @ 10'	29.1 3.3	896 11:17	
SP 360 11'	3.3	168 11:30	
SH-16@ surface	1.6	444 1:00	
SH-26 o surface	1.6	444 1115	
NH-16@ curface	1.6	444 1:20	G
NH-260 Surface	2.4	400 1:23	
EH-16@ Gurtage	1.4	546 1:45	
July-16 e surface	1.8	LIGIA	2.10 (1
		7 19	3:10 4
		/	
	, Ma	<i>f</i>	
		) NH	
	+	1-11	
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	1 4	$\mathcal{L}(\mathcal{L}(\mathcal{L}))$	
	\		
	•	*	

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

**GPS Sample Points, Center of Comp Areas** 



### Soil Profile

Project: Outlai	nd 14-23 State Com			Date:	9-16-19	_
Project Number:	10035	 Latitude:	32.48571	10000	474.77.55	
71- <b>1</b> -3-11-11-11-11-11-11-11-11-11-11-11-11-1		Latitude	32.485/1	Longitude:	-103.44495	_
Depth (ft. bgs)			De	scription		
1	Ing	ported Fill (	11:00	seription		
2	Brow	~ Topsoil	19099.93			
3					***************************************	
4	Cali	elu w/ sand				
5						
6				***************************************	***************************************	
7						
8					***********************	•
9						•
10						•
11						•
12						
13						•
15	13.111					
16	********					
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18	*******		***************************************			
19	********	• • • • • • • • • • • • • • • • • • • •	***************************************			
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21	*********		••••••			,
22	**********	• • • • • • • • • • • • • • • • • • • •				
23	······		**********			
24	***************************************				***************************************	i.
25	***************************************			************		
26						0
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28				***************************************		
29				****************		
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### Appendix C Laboratory Analytical Reports



February 18, 2019

LANCE CRENSHAW

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: OUTLAND 14-23 STATE COM PAD

Enclosed are the results of analyses for samples received by the laboratory on 02/12/19 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html</a>.

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. Keens

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:**

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: Sampling Date: 02/12/2019 02/12/2019

Reported: 02/18/2019 Sampling Type: Soil

Cool & Intact Project Name: **OUTLAND 14-23 STATE COM PAD** Sampling Condition: Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY

### Sample ID: SP 1 @ SURFACE (H900545-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2019	ND	1.96	98.0	2.00	5.05	
Toluene*	<0.050	0.050	02/16/2019	ND	1.83	91.3	2.00	5.12	
Ethylbenzene*	0.052	0.050	02/16/2019	ND	1.79	89.5	2.00	4.53	
Total Xylenes*	0.302	0.150	02/16/2019	ND	5.36	89.3	6.00	5.05	
Total BTEX	0.354	0.300	02/16/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32400	16.0	02/16/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	02/15/2019	ND	167	83.5	200	5.10	
DRO >C10-C28*	19400	100	02/15/2019	ND	182	91.0	200	7.29	
EXT DRO >C28-C36	677	100	02/15/2019	ND					
Surrogate: 1-Chlorooctane	92.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	1450	% 37.6-14	7						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Kreene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 02/12/2019 Sampling Date: 02/12/2019

Reported: 02/18/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE COM PAD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY

### Sample ID: SP 2 @ SURFACE (H900545-02)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2019	ND	1.96	98.0	2.00	5.05	
Toluene*	<0.050	0.050	02/16/2019	ND	1.83	91.3	2.00	5.12	
Ethylbenzene*	<0.050	0.050	02/16/2019	ND	1.79	89.5	2.00	4.53	
Total Xylenes*	<0.150	0.150	02/16/2019	ND	5.36	89.3	6.00	5.05	
Total BTEX	<0.300	0.300	02/16/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	02/16/2019	ND	400	100	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	02/15/2019	ND	167	83.5	200	5.10	
DRO >C10-C28*	682	10.0	02/15/2019	ND	182	91.0	200	7.29	
EXT DRO >C28-C36	441	10.0	02/15/2019	ND					
Surrogate: 1-Chlorooctane	86.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	122	% 37.6-14	7						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



### **Analytical Results For:**

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 02/12/2019 Sampling Date: 02/12/2019

Reported: 02/18/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE COM PAD** Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY

### Sample ID: SP 3 @ SURFACE (H900545-03)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2019	ND	1.96	98.0	2.00	5.05	
Toluene*	0.066	0.050	02/16/2019	ND	1.83	91.3	2.00	5.12	
Ethylbenzene*	<0.050	0.050	02/16/2019	ND	1.79	89.5	2.00	4.53	
Total Xylenes*	<0.150	0.150	02/16/2019	ND	5.36	89.3	6.00	5.05	
Total BTEX	<0.300	0.300	02/16/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	02/16/2019	ND	416	104	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2019	ND	167	83.5	200	5.10	
DRO >C10-C28*	1600	10.0	02/15/2019	ND	182	91.0	200	7.29	
EXT DRO >C28-C36	768	10.0	02/15/2019	ND					
Surrogate: 1-Chlorooctane	88.3	% 41-142	!						
Surrogate: 1-Chlorooctadecane	154	% 37.6-14	7						

\*=Accredited Analyte Cardinal Laboratories

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Celecy D. Kreene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7



### Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 02/12/2019 Sampling Date: 02/12/2019

Reported: 02/18/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE COM PAD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY

### Sample ID: SP 4 @ SURFACE (H900545-04)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2019	ND	1.96	98.0	2.00	5.05	
Toluene*	<0.050	0.050	02/16/2019	ND	1.83	91.3	2.00	5.12	
Ethylbenzene*	<0.050	0.050	02/16/2019	ND	1.79	89.5	2.00	4.53	
Total Xylenes*	<0.150	0.150	02/16/2019	ND	5.36	89.3	6.00	5.05	
Total BTEX	<0.300	0.300	02/16/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	02/16/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	02/15/2019	ND	167	83.5	200	5.10	
DRO >C10-C28*	12300	50.0	02/15/2019	ND	182	91.0	200	7.29	
EXT DRO >C28-C36	8840	50.0	02/15/2019	ND					
Surrogate: 1-Chlorooctane	84.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	329	% 37.6-14	7						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene, Lab Director/Quality Manager

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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:	Chisholm Energy		BILL 170	The state of the s	ANALYSIS REQUEST
Project Manager: 💪	9.		P.O. #:		
Address:			Company: 575CH		
City:	State:	Zip:	Y Wal	lers	
Phone #:	Fax #:		Address:		
Project #:	Project Owner:	3	City:		
Project Name:			State: Zip:		
on:	outland lu-23 state	com bad	#		
Sampler Name:	5		Fax #:		
FOR LAB USE ONLY	¢		PRESERV. SAMPLING	NG	
Lab I.D.	Sample I.D.	G)RAB OR (C)C CONTAINERS CROUNDWATE WASTEWATER COIL CLUDGE	OTHER: CID/BASE: CE / COOL OTHER:	CI TPH BTEX	
181	10511201	<i>-</i>	<b>人</b>	- 20	
122	JOS JUSTACO	₩ 0	人とな	Qublim	
3 50 5	esurface	×	ナーシュ	Q:080m	
4 594	10 Surface	×	X 2-L	j     wj. 91.20	
analyses. All claims including those to service. In no event shall Cardinal be affiliates or successors arising out of c	TEXPORT IVIE. LUMBERS, Calbullar stability and client's exclusive tendory for any fatim arising whether based in contract or fort, 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 waved 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, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	my claim arising whether based in contract deemed walved unless made in writing and without limitation, business interruptions, ardinal, regardless of whether such claim	t or tort, shall be limited to the amount paid received by Cardinal within 30 days after loss of use, or loss of profits incurred by come stated received the company of the above stated received the company of the company of the above stated received the company of the above stated received the company of the above stated received the company of the above stated the company of the above stated the company of the above stated received the company of the above stated the company of the above stated the company of the above stated received the company of the above stated the company of the above stated received the company of the above stated the company of the company of the above stated the company of the com	d by the client for the recomble from the applicable flent, its subsidiaries, ssons or otherwise.	
Relinquisped by:	Date: 2-12-19	Received By:	11/1/11/11	ult: ☐ Yes	□ No Add'I Phone #: □ No Add'I Fax #:
Relinquished By:	Time:	Received By:	Williably	Pmeetechenver	Vicon
Delivered By: (Circle One)		o s	ON CHECKED BY:	lance Octechen v.com	0.60
Sampler - UPS - Bus - Other:	5 - Other: 4.7c 共	37 A 16	2		



August 08, 2019

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: OUTLAND 14-23 STATE

Enclosed are the results of analyses for samples received by the laboratory on 08/02/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited 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.

Whe South

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:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: SP 1 @ 1' - R (H902656-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2019	ND	1.47	73.4	2.00	3.59	
Toluene*	<0.050	0.050	08/06/2019	ND	1.84	91.9	2.00	10.4	
Ethylbenzene*	<0.050	0.050	08/06/2019	ND	1.89	94.3	2.00	0.650	
Total Xylenes*	<0.150	0.150	08/06/2019	ND	5.80	96.6	6.00	1.34	
Total BTEX	<0.300	0.300	08/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	201	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	16.6	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	79.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	92.6	% 37.6-14	7						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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

### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: SP 3 @ 1' - R (H902656-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2019	ND	1.47	73.4	2.00	3.59	GC-NC
Toluene*	1.03	0.050	08/06/2019	ND	1.84	91.9	2.00	10.4	
Ethylbenzene*	1.24	0.050	08/06/2019	ND	1.89	94.3	2.00	0.650	
Total Xylenes*	6.52	0.150	08/06/2019	ND	5.80	96.6	6.00	1.34	
Total BTEX	8.78	0.300	08/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	153 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	355	50.0	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	17800	50.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	1080	50.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	288 9	% 41-142	·						
Surrogate: 1-Chlorooctadecane	605 9	% 37.6-14	7						

\*=Accredited Analyte Cardinal Laboratories

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: SP 4 @ 1' - R (H902656-03)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2019	ND	1.47	73.4	2.00	3.59	
Toluene*	0.095	0.050	08/06/2019	ND	1.84	91.9	2.00	10.4	
Ethylbenzene*	0.204	0.050	08/06/2019	ND	1.89	94.3	2.00	0.650	
Total Xylenes*	0.188	0.150	08/06/2019	ND	5.80	96.6	6.00	1.34	
Total BTEX	0.487	0.300	08/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	45.1	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	16.3	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	85.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	92.1	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane 92.1 % 37.6-147

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: EH 1 @ SURFACE (H902656-04)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2019	ND	1.98	98.9	2.00	0.851	
Toluene*	<0.050	0.050	08/06/2019	ND	2.05	102	2.00	0.652	
Ethylbenzene*	<0.050	0.050	08/06/2019	ND	1.94	96.8	2.00	0.429	
Total Xylenes*	<0.150	0.150	08/06/2019	ND	5.90	98.3	6.00	0.117	
Total BTEX	<0.300	0.300	08/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	4120	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	2120	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	86.8	% 41-142							
Surrogate: 1-Chlorooctadecane	227 9	% 37.6-14	7						

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: EH 1 @ 1' (H902656-05)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2019	ND	1.98	98.9	2.00	0.851	
Toluene*	<0.050	0.050	08/06/2019	ND	2.05	102	2.00	0.652	
Ethylbenzene*	<0.050	0.050	08/06/2019	ND	1.94	96.8	2.00	0.429	
Total Xylenes*	<0.150	0.150	08/06/2019	ND	5.90	98.3	6.00	0.117	
Total BTEX	<0.300	0.300	08/06/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	10.9	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	81.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	84.2	% 37.6-14	7						

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: SH 1 @ SURFACE (H902656-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	2910	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	756	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	77.8	% 41-142							
Surrogate: 1-Chlorooctadecane	214	% 37.6-14	7						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: SH 1 @ 1' (H902656-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	<10.0	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	82.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	88.7	% 37.6-14	7						

Cardinal Laboratories \*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: SH 2 @ SURFACE (H902656-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	3660	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	1190	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	74.6	% 41-142	?						
Surrogate: 1-Chlorooctadecane	250	% 37.6-14	7						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: SH 2 @ 1' (H902656-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	<10.0	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	90.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.0	% 37.6-14	7						

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: WH 1 @ SURFACE (H902656-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	2390	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	597	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	77.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	281	% 37.6-14	7						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: WH 1 @ 1' (H902656-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.42	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	216	108	200	0.400	
EXT DRO >C28-C36	<10.0	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	79.0	% 41-142	,						
Surrogate: 1-Chlorooctadecane	84.0	% 37.6-14	7						

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: NH 1 @ SURFACE (H902656-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	08/07/2019	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2019	ND	205	103	200	2.05	
DRO >C10-C28*	6180	10.0	08/05/2019	ND	205	102	200	3.94	
EXT DRO >C28-C36	427	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	61.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	428	% 37.6-14	7						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: NH 1 @ 1' (H902656-13)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.05	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	205	102	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	65.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	67.3	% 37.6-14	7						

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### **Analytical Results For:**

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: **OUTLAND 14-23 STATE** Sampling Condition: Cool & Intact Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

### Sample ID: NH 2 @ SURFACE (H902656-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	08/07/2019	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	08/05/2019	ND	205	103	200	2.05	
DRO >C10-C28*	1770	10.0	08/05/2019	ND	205	102	200	3.94	
EXT DRO >C28-C36	883	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	54.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	141	% 37.6-14	7						

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### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/02/2019 Sampling Date: 08/01/2019

Reported: 08/08/2019 Sampling Type: Soil

Project Name: OUTLAND 14-23 STATE Sampling Condition: Cool & Intact
Project Number: 10035 Sample Received By: Tamara Oldaker

Project Location: CHISHOLM ENERGY - LEA CO NM

Sample ID: NH 2 @ 1' (H902656-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2019	ND	1.97	98.6	2.00	0.0670	
Toluene*	<0.050	0.050	08/07/2019	ND	2.00	100	2.00	0.0988	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.96	97.9	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.99	99.8	6.00	1.39	
Total BTEX	<0.300	0.300	08/07/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
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	08/07/2019	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	08/05/2019	ND	205	103	200	2.05	
DRO >C10-C28*	<10.0	10.0	08/05/2019	ND	205	102	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	08/05/2019	ND					
Surrogate: 1-Chlorooctane	53.3	% 41-142	?						
Surrogate: 1-Chlorooctadecane	58.1	% 37.6-14	7						

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 claims 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.

Mile Sough

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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 claims 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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### ARDINAL LABORATORIES

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

ompany Namo.	Etech Environmental & Safety Solutions Inc	Cofaty Colution	5	1		1	***		0	0		1	1	1	ı	ANIAI VOIC DI	2	71	1
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ddress: P.O.	Boy				***************************************		្តា	ğ	Company:	Etech	ch								
ity: Lovington		State: NM	Zip: 88260	882	260		≥	Attn:											
hone #: (575	(575) 396-2378	Fax #: (575) 396-1429	6-14	29			Þ	dre	Address:					Ŧ					
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ampler Name:	Jimmy Hand						T	Fax #:	•			Chl	H (	EX					
FOR LAB USE ONLY					MATRIX	×	1	꾸	PRESERV.	SAMPLING	ଜ		TF	вт	73				
Lab I.D.	Sample I.D.	٥	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME								
-	SP 1 @ 1' - R		ထ	_	×				×	8/1/19	10:50	×	×	×					
7	SP 3 @ 1'-R		ည	ے.	×				×	8/1/19	11:10	×	×	×					
_	SP 4 @ 1'-R		മ	_	×				×	8/1/19	11:30	×	×	×					
	EH 1 @ Surface		ပ	_	×				×	8/1/19	10:00	×	×	×					
5	EH 1 @ 1'		ထ	_	×				×	8/1/19	12:00	×	×	×					
6	SH 1 @ Surface		ထ	_	×				×	8/1/19	10:05	×	×	×					
7	SH 1 @ 1'		9	_	×				×	8/1/19	12:20	×	×	×					
8	SH 2 @ Surface		ည	_	X				×	8/1/19	10:10	×	×	×					
9	SH 2 @ 1'		g	_	×	-			×	8/1/19	12:40	×	×	×					
10	WH 1 @ Surface		9	_	×				×	8/1/19	10:15	×	×	×					
EASE NOTE: Liability and alyses. All claims including t rvice. In no event shall Caro filiates or successors arising	EASE NOTE: Liability and Danages, Cardinat's liability and client's exclusive remely for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the salyses. All claims including those for negligence and any other cause whatscover shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable vives. 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, lifates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	exclusive remedy for any Jelini arising whether based in contract or fort, shall be limited to the an e whatsoever shall be deemed wahved unless made in writing and received by Cardinal within 30 di raid admages, including without limitation, business interruptions, loss of use, or loss of profits incur services hereunder by Cardinal, regardless of whether such claim is based upon any of the above.	im arisin d waived d limitati al, regar	g whet d unles on, but dless	ther based in contract is made in writing and is siness interruptions, los of whether such claim is	or tort, receive ss of u	shall d by C se, or d upo	ardina ardina oss o	ted to the amou al within 30 day: f profits incurred of the above sta	int paid by the clier s after completion of d by client, its substated reasons or off	nt for the of the applicable sidiaries, nerwise.								
Relinguished By:	n	Date: 6/2/19 Time: /4:15	Re	ceiv	Received By:	1	11	(III)	8	A.	Phone Result: Fax Result: REMARKS:	H.		Yes Yes	□ No No	Add'l Phone #: Add'l Fax #:			
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Revision 1.0 FORM-006 FORM-006 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Etech Environmental & Safety Solutions

### Relinquished By: Relinquished By: City: Sampler - UPS - Bus - Other: Sampler Name: Jimmy Hand Project Location: Project Name: Project #: Phone #: Project Manager: Company Name: Address: Delivered By: (Circle One) nalyses. 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 envise. 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, FOR LAB USE ONLY Lab I.D. Lovington 4 S 1 10035 P.O. Box 301 (575) 396-2378 Outland 14-23 State NH 2 @ 1 NH 1 @ Surface NH 2 @ Surface NH 1 @ 1' WH1@1 ages. 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 Lea Etech Environmental & Safety Solutions, Inc. Joel Lowry Sample I.D 3.40 Time: 4:15 Date: 8/2/19 Time: Date: Project Owner: Fax #: (575) 396-1429 State: NM Zip: 88260 Received, By: 9 9 9 9 g G)RAB OR (C)OMP Received By: # CONTAINERS \_ Chisholm GROUNDWATER Cool Intact Tyes Tyes No No Sample Condition WASTEWATER MATRIX SOIL × × × × × OIL SLUDGE State: City: OTHER: Attn: Phone #: Address: P.O. #: Company: ACID/BASE: PRESERV CHECKED BY: ICE / COOL × × × × (Initials) BILL TO OTHER: Zip: 8/1/19 8/1/19 8/1/19 8/1/19 8/1/19 DATE SAMPLING Etech Phone Result: Fax Result: REMARKS: Please email results to pm@etechenv.com and joel@etechenv.com. 13:40 13:20 10:25 10:20 TIME 13:00 Chloride × TPH (8015M) × Yes BTEX (8021B) N O Add'I Fax #: ANALYSIS REQUEST Add'l Phone #:

**Analytical Report**Lab Order **1909918** 

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Chisholm Energy Operating

**Project:** Outland 14 32 State Com

**Lab ID:** 1909918-001

Client Sample ID: SP3b@2'

Collection Date: 9/16/2019 10:00:00 AM Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	38000	480		mg/Kg	50	9/19/2019 10:22:58 PM
Motor Oil Range Organics (MRO)	5400	2400		mg/Kg	50	9/19/2019 10:22:58 PM
Surr: DNOP	0	70-130	S	%Rec	50	9/19/2019 10:22:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	250	4.7		mg/Kg	1	9/19/2019 12:42:37 PM
Surr: BFB	1190	77.4-118	S	%Rec	1	9/19/2019 12:42:37 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 0

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Chisholm Energy Operating

**Project:** Outland 14 32 State Com

**Lab ID:** 1909918-002

Client Sample ID: SP3b@4'

**Collection Date:** 9/16/2019 10:12:00 AM **Received Date:** 9/18/2019 9:10:00 AM

Result **RL Qual Units** DF **Analyses Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM 18000 mg/Kg Diesel Range Organics (DRO) 930 100 9/20/2019 3:59:07 PM ND Motor Oil Range Organics (MRO) 4600 D 100 9/20/2019 3:59:07 PM mg/Kg Surr: DNOP S 100 9/20/2019 3:59:07 PM 0 70-130 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB mg/Kg Gasoline Range Organics (GRO) 170 5.0 9/19/2019 1:28:17 PM 1 Surr: BFB 1090 77.4-118 S %Rec 1 9/19/2019 1:28:17 PM **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 9/25/2019 9:30:26 AM 3200 150 mg/Kg 50

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 0

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Chisholm Energy Operating

**Project:** Outland 14 32 State Com

**Lab ID:** 1909918-003

Client Sample ID: SP3b@6'

**Collection Date:** 9/16/2019 10:27:00 AM

**Received Date:** 9/18/2019 9:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS					Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	2500	96		mg/Kg	10	9/20/2019 4:21:32 PM
Motor Oil Range Organics (MRO)	ND	480	D	mg/Kg	10	9/20/2019 4:21:32 PM
Surr: DNOP	0	70-130	S	%Rec	10	9/20/2019 4:21:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/19/2019 2:13:57 PM
Surr: BFB	128	77.4-118	S	%Rec	1	9/19/2019 2:13:57 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

Date Reported:

CLIENT: Chisholm Energy Operating Client Sample ID: SP3b@8'

 Project:
 Outland 14 32 State Com
 Collection Date: 9/16/2019 10:40:00 AM

 Lab ID:
 1909918-004
 Matrix: SOIL
 Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	430	9.7		mg/Kg	1	9/19/2019 12:37:48 PM
Motor Oil Range Organics (MRO)	62	48		mg/Kg	1	9/19/2019 12:37:48 PM
Surr: DNOP	103	70-130		%Rec	1	9/19/2019 12:37:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/19/2019 2:36:47 PM
Surr: BFB	119	77.4-118	S	%Rec	1	9/19/2019 2:36:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 0

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating Client Sample ID: SP3b@10'

 Project:
 Outland 14 32 State Com
 Collection Date: 9/16/2019 11:12:00 AM

 Lab ID:
 1909918-005
 Matrix: SOIL
 Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	320	9.5	mg/Kg	1	9/19/2019 12:59:53 PM
Motor Oil Range Organics (MRO)	190	48	mg/Kg	1	9/19/2019 12:59:53 PM
Surr: DNOP	109	70-130	%Rec	1	9/19/2019 12:59:53 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2019 2:59:37 PM
Surr: BFB	103	77.4-118	%Rec	1	9/19/2019 2:59:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SP3b@11'

**CLIENT:** Chisholm Energy Operating **Project:** Outland 14 32 State Com Collection Date: 9/16/2019 11:30:00 AM

Lab ID: 1909918-006 Matrix: SOIL Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/19/2019 1:22:07 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2019 1:22:07 PM
Surr: DNOP	94.4	70-130	%Rec	1	9/19/2019 1:22:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2019 4:31:05 PM
Surr: BFB	96.7	77.4-118	%Rec	1	9/19/2019 4:31:05 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	190	60	mg/Kg	20	9/23/2019 2:11:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SH-1b@surf

**CLIENT:** Chisholm Energy Operating **Project:** Outland 14 32 State Com

**Collection Date:** 9/16/2019 1:00:00 PM

**Lab ID:** 1909918-007

Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: BRM
Diesel Range Organics (DRO)	11	9.5	mg/Kg	1	9/19/2019 2:12:31 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2019 2:12:31 PM
Surr: DNOP	89.7	70-130	%Rec	1	9/19/2019 2:12:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/19/2019 4:53:59 PM
Surr: BFB	97.3	77.4-118	%Rec	1	9/19/2019 4:53:59 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 0

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Chisholm Energy Operating

**Project:** Outland 14 32 State Com

**Lab ID:** 1909918-008

Client Sample ID: SH-2b@surf

**Collection Date:** 9/16/2019 1:15:00 PM

Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	33	9.9	mg/Kg	1	9/19/2019 2:34:34 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/19/2019 2:34:34 PM
Surr: DNOP	96.4	70-130	%Rec	1	9/19/2019 2:34:34 PM
EPA METHOD 8015D: GASOLINE RANGE	<u> </u>				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/19/2019 5:16:48 PM
Surr: BFB	97.0	77.4-118	%Rec	1	9/19/2019 5:16:48 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	500	60	mg/Kg	20	9/23/2019 2:23:38 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 0

**CLIENT:** Chisholm Energy Operating

**Analytical Report** Lab Order **1909918** 

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: NH-1b@surf

 Project:
 Outland 14 32 State Com
 Collection Date: 9/16/2019 1:20:00 PM

 Lab ID:
 1909918-009
 Matrix: SOIL
 Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: BRM
Diesel Range Organics (DRO)	28	9.6	mg/Kg	1	9/19/2019 2:56:50 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/19/2019 2:56:50 PM
Surr: DNOP	92.0	70-130	%Rec	1	9/19/2019 2:56:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/19/2019 5:39:36 PM
Surr: BFB	97.6	77.4-118	%Rec	1	9/19/2019 5:39:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 0

## Hall Environmental Analysis Laboratory, Inc.

Date Reported:

Client Sample ID: NH-2b@surf

**CLIENT:** Chisholm Energy Operating **Project:** Outland 14 32 State Com

**Collection Date:** 9/16/2019 1:23:00 PM

**Lab ID:** 1909918-010

Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: BRM
Diesel Range Organics (DRO)	24	9.8	mg/Kg	1	9/19/2019 3:19:02 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/19/2019 3:19:02 PM
Surr: DNOP	96.3	70-130	%Rec	1	9/19/2019 3:19:02 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2019 6:02:24 PM
Surr: BFB	98.9	77.4-118	%Rec	1	9/19/2019 6:02:24 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 0

**CLIENT:** Chisholm Energy Operating

**Analytical Report** Lab Order **1909918** 

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: EH-1b@surf

 Project:
 Outland 14 32 State Com
 Collection Date: 9/16/2019 1:45:00 PM

 Lab ID:
 1909918-011
 Matrix: SOIL
 Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: BRM
Diesel Range Organics (DRO)	12	9.4	mg/Kg	1	9/19/2019 3:41:15 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2019 3:41:15 PM
Surr: DNOP	86.9	70-130	%Rec	1	9/19/2019 3:41:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/19/2019 6:25:15 PM
Surr: BFB	99.6	77.4-118	%Rec	1	9/19/2019 6:25:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 0

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Chisholm Energy Operating

**Project:** Outland 14 32 State Com

**Lab ID:** 1909918-012

Client Sample ID: WH-1b@surf

**Collection Date:** 9/16/2019 2:00:00 PM

Received Date: 9/18/2019 9:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: BRM
Diesel Range Organics (DRO)	18	9.9	mg/Kg	1	9/19/2019 4:03:25 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	9/19/2019 4:03:25 PM
Surr: DNOP	88.1	70-130	%Rec	1	9/19/2019 4:03:25 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/19/2019 6:48:01 PM
Surr: BFB	100	77.4-118	%Rec	1	9/19/2019 6:48:01 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	490	60	mg/Kg	20	9/23/2019 2:36:02 PM

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Form C-141 Page 5

## State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	e included in the plan.					
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>						
Defound Dequests Only Each of the following items must be see	of and as most of any negroot for defended of new disting					
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.  Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.						
☐ Extents of contamination must be fully delineated.						
Contamination does not cause an imminent risk to human health, the environment, or groundwater.						
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.						
Printed Name:	Title:					
Signature:	Date:					
email:	Telephone:					
OCD Only						
Received by: Robert Hamlet	Date: _1/15/2020					
Approved						

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

QUESTIONS

Action 403040

#### **QUESTIONS**

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#)	nOY1831140454
Incident Name	NOY1831140454 CHISHOLM 14-23 STATE FRAC TANK @ 30-025-44157
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-44157] OUTLAND 14 23 STATE COM 2BS #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CHISHOLM 14-23 STATE FRAC TANK
Date Release Discovered	10/21/2018
Surface Owner	State

Incident Details		
Please answer all the questions in this group.		
Incident Type	Produced Water 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 the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Human Error   Tank (Any)   Produced Water   Released: 30 BBL   Recovered: 10 BBL   Lost: 20 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
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.	

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QUESTIONS, Page 2

Action 403040

**QUESTIONS** (continued)

**Santa Fe, NM 87505** 

**State of New Mexico** 

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.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	afety 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	
	Not answered.  Altion immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of	
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 11/13/2024	

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

QUESTIONS, Page 3

Action 403040

**QUESTIONS** (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (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	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Between 1 and 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	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
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.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	20400	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1260	
GRO+DRO (EPA SW-846 Method 8015M)	1260	
BTEX (EPA SW-846 Method 8021B or 8260B)	2.5	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	12/01/2023	
On what date will (or did) the final sampling or liner inspection occur	10/16/2024	
On what date will (or was) the remediation complete(d)	10/29/2024	
What is the estimated surface area (in square feet) that will be reclaimed	25700	
What is the estimated volume (in cubic yards) that will be reclaimed	3398	
What is the estimated surface area (in square feet) that will be remediated	25700	
What is the estimated volume (in cubic yards) that will be remediated	6280	
These estimated dates and measurements are recognized to be the best guess or calculation at the	time of submission and may (be) change(d) over time as more remediation efforts are completed.	

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

QUESTIONS, Page 4

Action 403040

**QUESTIONS** (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### 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:		
Yes		
LEA LAND LANDFILL [fEEM0112342028]		
Not answered.		

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.

Name: Matthew Taylor Title: Environmental Coordinator I hereby agree and sign off to the above statement Email: matthew.taylor@permianres.com Date: 11/13/2024

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

QUESTIONS, Page 5

Action 403040

**QUESTIONS** (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of 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	No

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

QUESTIONS, Page 6

Action 403040

**QUESTIONS** (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	402973
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/16/2024
What was the (estimated) number of samples that were to be gathered	265
What was the sampling surface area in square feet	25700

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	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	25700	
What was the total volume (cubic yards) remediated	6280	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	25700	
What was the total volume (in cubic yards) reclaimed	3398	
Summarize any additional remediation activities not included by answers (above)	Remediation at site is complete. The release occurred while the facility was owned by a previous operator (Chisholm). The presence and transfer of the open regulatory file was not discovered until a more recent reportable release was remediated; the two reportable releases were remediated concurrently.	

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 (in .pdf format) 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.

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

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 11/13/2024
--	---

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

QUESTIONS, Page 7

Action 403040

**QUESTIONS** (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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

CONDITIONS

Action 403040

#### **CONDITIONS**

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	403040
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Create	ed By	Condition	Condition Date
mich	hael.buchanan	None	3/10/2025