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 Source

Latitude: 32.486037 Longitude: -103.445132

Provided GPS are in WGS84 format.

Site Name:	Outland 14-23 State 2BS 2H	Site Type:	Tank Battery
Date Release Discovered:	10/21/2018	API # (if applicable):	30-025-44157

Unit Letter	Section	Township	Range	County
D	14	21S	34E	Lea

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	0	Volume Recovered (bbls)	0
[X] Produced Water	Volume Released (bbls)	30	Volume Recovered (bbls)	10
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		[X] Yes [ ] No [ ] N/A	
[ ] 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:
The release was attributed to equipment failure.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

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 ☒ 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 ☒ 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 to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 75 and 100 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	10,000	600
	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

* Measured in milligrams per kilogram (mg/kg)
** Environmental Protection Agency
† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).
‡ 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 *eventually* 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	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	☒ No
Requesting a remediation closure approval with this submission?	☒ Yes	☐ No
Have the lateral and vertical extents of contamination been fully delineated?	☒ Yes	☐ No
Was this release entirely contained within a lined containment area?	☐ Yes	☒ 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.	☒ 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



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2

Aerial Proximity Map

Permian Resources

Outland 14-23 State 2BS 2H

GPS: 32.486037, -103.445132

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/21/24

Figure 3
Sample Location Map

Released to Imaging: 11/6/2025 1:43:09 PM
Received by OCD: 10/24/2025 1:14:46 PM



Legend:

- Excavated Area
- SW-48 Sidewall Sample Location
- SW-35 Confirmation Soil Sample

Figure 1

Site Diagram
Outland 14-23 State 2BS 2H
Permian Resources
GPS: 32.486037, -103.445132

eTECH Environmental & Safety Solutions, Inc.

Drafted: jwl Checked: bja Date: 11/1/24

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. #: NOY1831140454 (1RP-5260)

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (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	<0.050	<0.300	<10.0	22.8	22.8	<10.0	22.8	1,260
CS-82A	4/12/2024	9	Excavated	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	4,510
CS 82 B @ 10'	8/27/2024	10	In-Situ	<0.050	<0.300	<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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
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-97	12/15/2023	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-98	12/15/2023	2	Excavated	<0.050	<0.300	<10.0	92.7	92.7	20.5	113	3,440
CS-98A	4/12/2024	5	Excavated	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	3,370
CS - 98A @ 13'	10/14/2024	13	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
CS-99	12/15/2023	2	Excavated	<0.050	<0.300	<10.0	44.1	44.1	<10.0	44.1	1,920
CS-99A	4/12/2024	5	Excavated	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	<50.5	2,810
CS - 99A @ 12'	10/14/2024	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
CS-100	12/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-101	12/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-102	12/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-103	12/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-104	12/15/2023	4	In-Situ	<0.050	<0.300	<10.0	16.5	16.5	<10.0	16.5	128
CS-105	12/15/2023	15	Excavated	<0.050	<0.300	<10.0	32.4	32.4	<10.0	32.4	3,040
CS 105 @ 29'	10/16/2024	29	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
CS-106	12/15/2023	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-107	4/12/2024	5	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	52.7
CS-108	4/12/2024	3	Excavated	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	617
CS - 108 @ 2'	10/14/2024	2	In-Situ	<0.050	<0.300	<10.0	13.8	13.8	<10.0	13.8	272
CS-109	4/12/2024	9	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	196
CS-110	4/12/2024	5	In-Situ	<0.00200	<0.00400	<50.2	<50.2	<50.2	<50.2	<50.2	185
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
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 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 114 @ 12'	10/14/2024	12	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	<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	<30.0	<16.0
FL 1 @ 10'	8/26/2024	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
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-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-2	12/15/2023	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
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-4	12/15/2023	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
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-6	12/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	13.4	13.4	<10.0	13.4	16.0
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-8	12/15/2023	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
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	<0.00400	<50.3	<50.3	<50.3	<50.3	<50.3	104
SW-10	12/15/2023	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (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	0-9	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	<0.050	<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	<0.050	<0.300	<10.0	1,260	**1,260**	<10.0	1,260	304
SW-36A	4/12/2024	0-3	Excavated	<0.905	<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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (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	10-12	In-Situ	<0.916	<1.83	<50.0	<50.0	<50.0	<50.0	<50.0	388
SW-60	4/12/2024	9-10	Excavated	<0.900	<1.80	<50.4	243	243	<50.4	243	1,010
SW-61	4/12/2024	0-10	Excavated	<0.00200	<0.00399	<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	<0.00401	<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	In-Situ	<0.00200	<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

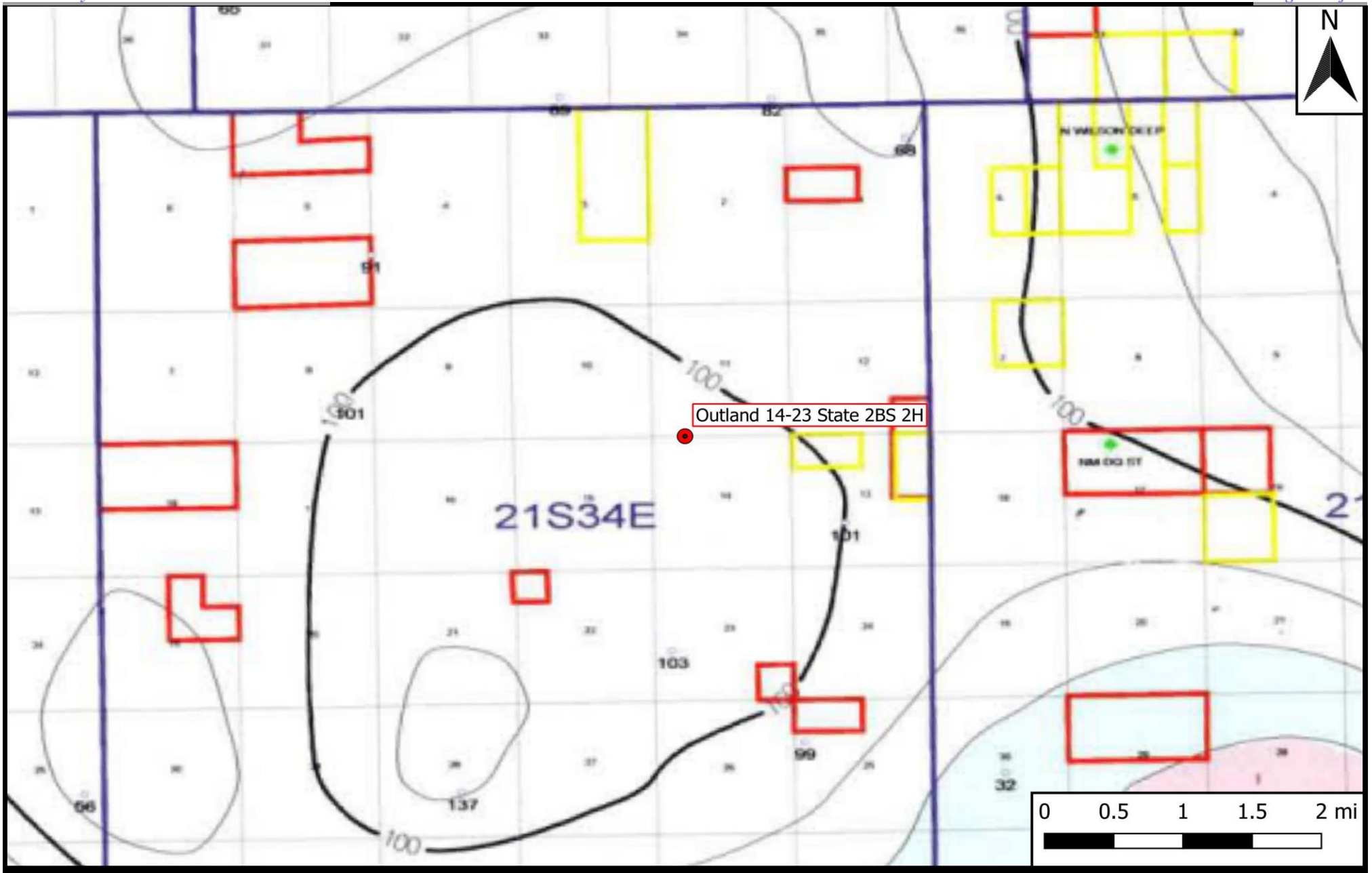
Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

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

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**SW 846 8021B**		**SW 846 8015M Ext.**					**4500 Cl**
				Benzene (mg/kg)	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**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

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Appendix A
Depth to Groundwater and NMOCD Siting Information



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Permian Resources

Outland 14-23 State 2BS 2H

GPS: 32.486037, -103.445132

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/21/24

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01848 POD2		CP	LE	4	3	1	13	21S	34E	647587	3594789	1604	96	80	16
CP 01848 POD3		CP	LE	2	4	1	13	21S	34E	647904	3594858	1883	87	70	17
CP 00089	O	CP	LE		2	1	13	21S	34E	647840	3594615	1905	235		
CP 01366 POD1		CP	LE	4	4	1	16	21S	34E	643196	3594698	2974	180	110	70
CP 01671 POD1		CP	LE	2	4	1	16	21S	34E	643108	3594887	3024	157		
CP 01364 POD1		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

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00089	2	1		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:**		**Source:**	Shallow
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, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00590 POD1				01	21S	34E	648099	3597829*

Driller License:	122	**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:	6.63	**Depth Well:**	79 feet	**Depth Water:**	

***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.

Received by OCD: 10/24/2025 1:14:46 PM

5f

Revised December 1975

80227

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

Declaration of Owner of Underground Water Right 19

CAPITAN BASIN
BASIN NAME

Declaration No. CP-590 Date received April 17, 1979

'79 APR 20 PM 3 00

STATE ENGINEER OFFICE
SANTA FE, N.M. 87501

STATEMENT

1. Name of Declarant THE MERCHANT LIVESTOCK COMPANY
   Mailing Address P.O. Box 548 Carlsbad
   County of Eddy, State of New Mexico
2. Source of water supply shallow
   (artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
   a. ____ ¼ ____ ¼ Lot 16 ¼ of Sec. 1 Twp. 21 S Rge. 34 E N.M.P.M., in Lea County.
   b. Tract No. ____ of Map No. ____ of the ____.
   c. X = ____ feet, Y = ____ feet, N. M. Coordinate System ____ Zone in the ____ Grant.
   On land owned by ____.
4. Description of well: date drilled 1911 driller ____ depth 79' feet.
   outside diameter of casing 6 5/8 inches; original capacity ____ gal. per min.; present capacity 3 gal. per min.; pumping lift ____ feet; static water level 70 feet (above) (below) land surface;
   make and type of pump ____
   make, type, horsepower, etc., of power plant ____
   Fractional or percentage interest claimed in well ____
5. Quantity of water appropriated and beneficially used ~~XXXXXXXXXX~~ up to 3 (acre feet per annum)
   for stock water purposes.
6. Acreage actually irrigated ____ acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner
			stock		
			stock only		The Merchant Livestock Co.

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use ____ (month) ____ (day) 1911 (year) and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: ____

'79 APR 17 AM 8 04
STATE ENGINEER OFFICE ROSWELL, N.M.

8. Additional statements or explanations
   name of well - Jeff Davis

546608

I, J. D. Merchant, Jr., President being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

THE MERCHANT LIVESTOCK CO., declarant.

by: J. D. Merchant, Jr., President

Subscribed and sworn to before me this 12th day of April, A.D. 19 79

My commission expires March 2, 1980 Ruth P. Saunders Notary Public

RUTH P. SAUNDERS NOTARY PUBLIC EDDY COUNTY, NEW MEXICO

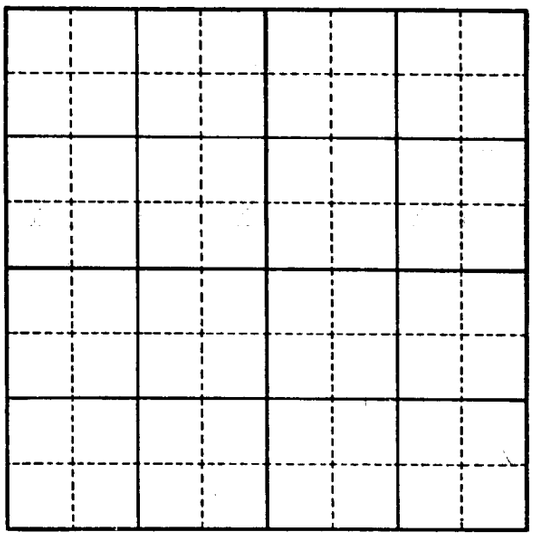
FILED

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

Released to Imaging: 11/6/2025 1:43:09 PM

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) ....., Township ....., Range ..... N. M. 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; CP-585; CP-586; CP-587; CP-588;
CP-589; CP-590; CP-591; CP-592; CP-593;
CP-594; CP-595; CP-596; CP-597; CP-598;
CP-599; CP-600; CP-601; CP-602

The Merchant Livestock Company
P. O. Box 548
Carlsbad, NM 88220

Gentlemen:

Enclosed are your copies of Declarations of Owner of Underground Water Right 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: Santa Fe

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	Twn	Rng	X	Y
	CP 01364 POD1	4	2	3	16	21S	34E	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:	06/26/2015	**PCW Rcv Date:**	04/27/2017	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**	3	**Estimated Yield:**	35 GPM
Casing Size:	8.63	**Depth Well:**	165 feet	**Depth Water:**	105 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	153	Sandstone/Gravel/Conglomerate

Meter Number:	18280	**Meter Make:**	SEAMETRICS
Meter Serial Number:	05 212 614	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter 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	Online
06/26/2015	2015	0	A	ap		0	
07/27/2015	2015	49879	A	ap		64.291	
08/21/2015	2015	50233	A	ap		0.456	
09/30/2015	2015	50233	A	ap		0	
10/31/2015	2015	50233	A	ap		0	
11/30/2015	2015	52676	A	ap		3.149	
04/28/2016	2016	97694	A	ap		58.025	
06/30/2016	2016	131190	A	ap		43.174	
07/27/2016	2016	155986	A	ap		31.960	
09/01/2016	2016	161887	A	ap		7.606	
09/28/2016	2016	174036	A	ap		15.659	
10/31/2016	2016	180596	A	ap		8.455	
11/29/2016	2016	200991	A	ap		26.288	
12/31/2016	2016	200991	A	ap		0	
02/01/2017	2017	200991	A	ap		0	
03/01/2017	2017	200991	A	ap		0	
03/31/2017	2017	200991	A	ap		0	
05/01/2017	2017	200991	A	ap		0	
05/31/2017	2017	200991	A	ap		0	
07/31/2017	2017	239371	A	ap		49.469	
10/31/2017	2017	284859	A	ap		58.631	
11/30/2017	2017	307429	A	ap		29.091	

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	

08/01/2022	2022	149721	A	ad	0	
09/01/2022	2022	149721	A	ad	0	
11/01/2022	2022	278838	A	WEB	16.642	X
12/01/2022	2022	292073	A	WEB	1.706	X
01/01/2023	2022	317352	A	WEB	3.258	X
02/01/2023	2023	317353	A	WEB	0	X
03/01/2023	2023	339287	A	WEB	2.827	X
04/01/2023	2023	339287	A	WEB	0	X
05/01/2023	2023	381819	A	WEB	5.482	X
06/01/2023	2023	430440	A	WEB	6.267	X
07/01/2023	2023	436246	A	WEB	0.748	X
08/01/2023	2023	449633	A	WEB	1.725	X
09/01/2023	2023	484855	A	WEB	4.540	X
10/01/2023	2023	484855	A	WEB	0	X
11/01/2023	2023	531043	A	WEB	5.953	X
12/01/2023	2023	531043	A	WEB	0	X
01/01/2024	2023	543751	A	WEB	1.638	X
02/01/2024	2024	543751	A	WEB	0	X
03/01/2024	2024	543751	A	WEB	0	X
04/01/2024	2024	543751	A	WEB	0	X
05/01/2024	2024	543751	A	WEB	0	X
06/07/2024	2024	543751	A	WEB	0	X

**YTD Meter 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
	2024	0

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New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	CP 01366 POD1	4	4	1	16	21S	34E	643196	3594698

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

Driller Name: CORKY GLEN

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

Log File Date: 06/26/2015 **PCW Rcv Date:** 04/27/2017 **Source:** Shallow

Pump Type: SUBMER **Pipe Discharge Size:** 3 **Estimated Yield:** 35 GPM

Casing Size: 8.63 **Depth Well:** 180 feet **Depth Water:** 110 feet

Water Bearing Stratifications:	Top	Bottom	Description
	110	160	Sandstone/Gravel/Conglomerate

Meter Number: 18281 **Meter Make:** SEAMETRICS

Meter Serial Number: 05 212 606 **Meter Multiplier:** 1.0000

Number of Dials: 8 **Meter 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	Online
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	ap	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	ap	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	A	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	A	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	A	RPT	0.960	
10/01/2020	2020	650901	A	RPT	0	
10/31/2020	2020	652012	A	WEB	0.143	X
11/30/2020	2020	652012	A	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	

11/01/2022	2022	259985	A	WEB	15.169	X
12/01/2022	2022	272049	A	WEB	1.555	X
01/01/2023	2022	295089	A	WEB	2.970	X
02/01/2023	2023	295089	A	WEB	0	X
03/01/2023	2023	314761	A	WEB	2.536	X
04/01/2023	2023	314761	A	WEB	0	X
05/01/2023	2023	353069	A	WEB	4.938	X
06/01/2023	2023	396775	A	WEB	5.633	X
07/01/2023	2023	402013	A	WEB	0.675	X
08/01/2023	2023	412371	A	WEB	1.335	X
09/01/2023	2023	444260	A	WEB	4.110	X
10/01/2023	2023	444260	A	WEB	0	X
11/01/2023	2023	486606	A	WEB	5.458	X
12/01/2023	2023	486606	A	WEB	0	X
01/01/2024	2023	542948	A	WEB	7.262	X
02/01/2024	2024	550626	A	WEB	0.990	X
03/01/2024	2024	583016	A	WEB	4.175	X
04/01/2024	2024	607344	A	WEB	3.136	X
05/01/2024	2024	627225	A	WEB	2.563	X
06/07/2024	2024	650160	A	WEB	2.956	X

x

**YTD Meter Amounts:	Year	Amount
	2015	37.821
	2016	920.918
	2017	1720.841
	2018	2523.683
	2019	23.102
	2020	14.793
	2021	14.400
	2022	30.491
	2023	31.947
	2024	13.820

x

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New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
205F4	CP 01671 POD1	2	4	1	16	21S	34E	643108	3594887

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:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 5.00 **Depth Well:** 157 feet **Depth Water:**

Casing Perforations:	Top	Bottom
	117	157

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.

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER'S OFFICE SANTA FE, NEW MEXICO 2017 OCT 10 PM 3:16

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.) POD 1; WW-1	WELL TAG ID NO.	OSE FILE NO(S). CP-1671
WELL OWNER NAME(S) The Merchand Livestock Co., Inc.		PHONE (OPTIONAL)
WELL OWNER MAILING ADDRESS P.O. Box 1105		CITY Eunice / STATE NM / ZIP 88231

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	28	55.2606	N
LONGITUDE	-103	28	37.07	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1731	Kenny Cooper	Harrison & Cooper, Inc. (DBA HCI Drilling)

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
10/05/2017	10/05/2017	157	157	

COMPLETED WELL IS: ARTESIAN / DRY HOLE / ● SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 114.9'

DRILLING FLUID: AIR / ● MUD / ADDITIVES – SPECIFY:

DRILLING METHOD: ● ROTARY / HAMMER / CABLE TOOL / OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	117	9 7/8	Riser	Bell End	5	Sch 40	
117	157	9 7/8	Screen	Bell End	5	Sch 40	0.035

STATE ENGINEER'S OFFICE RECEIVED 2017 NOV -6 PM 12:38

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	97	9 7/8	Bentonite Grout	1	Poured
97	157	9 7/8	Sand - 8/16	1	Poured

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. CP-1671	POD NO. 1	TRN NO. 610479	
LOCATION Dom 5TR 28.34E.16.142		WELL TAG ID NO. 205F4	PAGE 1 OF 2

STATE ENGINEER'S OFFICE
SANTA FE, NEW MEXICO
2017 OCT 16 PM 3:

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	100	100	Tan/Red Sand	Y N	
100	117	17	Sand and Gravel	Y N	
117	156	39	Red Sandy Clay	Y N	
156	157	1	Red Clay	Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

2017 NOV -6 PM 12:39

STATE ENGINEER OFFICE SANTA FE, NEW MEXICO

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Top of Water: 114.9'
Pumping 30 GPM at 124.3'

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Kenny Cooper — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/06/2017 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO. CP-1671	POD NO. 1	TRN NO. 610479	
LOCATION Dom/StK 215.34E.16.142		WELL TAG ID NO. 205F4	PAGE 2 OF 2

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

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.

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.



Legend
- Site Location
- Well - USGS
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius

Figure 5
USGS Well Proximity Map
Permian Resources
Outland 14-23 State 2BS 2H
GPS: 32.486037, -103.445132
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 6/21/24

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

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

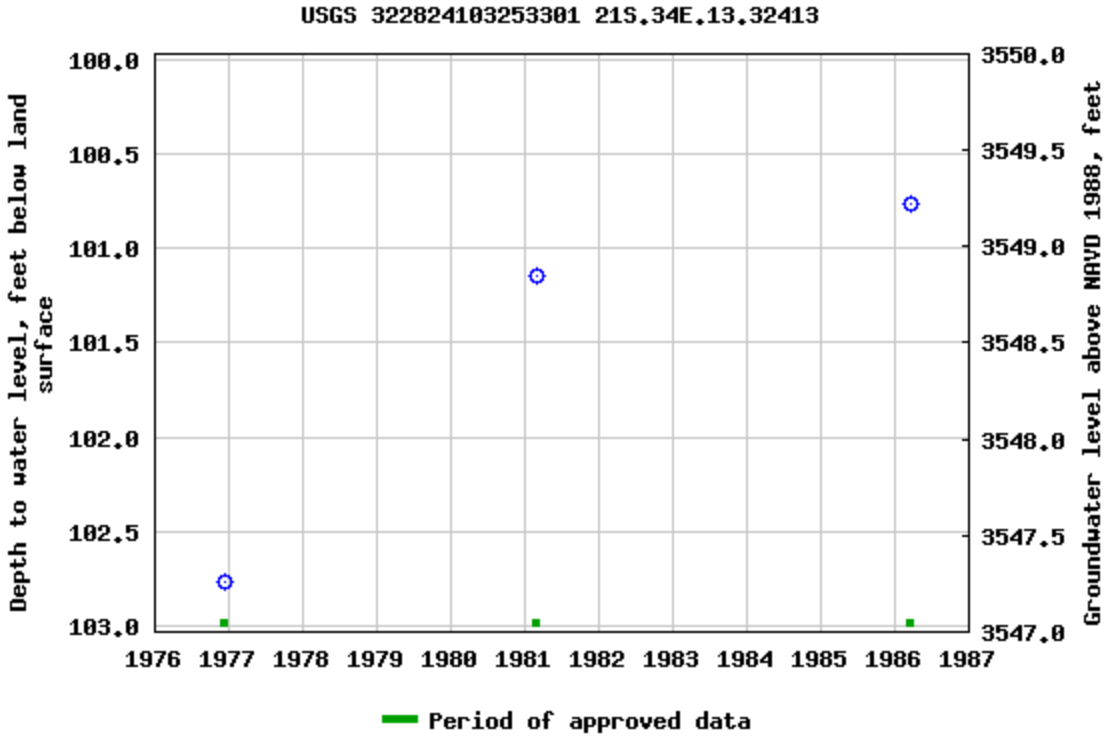
USGS 322824103253301 21S.34E.13.32413

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 (N9999OTHER) 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



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

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

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: USGS Water Data Support Team
Page Last Modified: 2024-06-21 12:21:10 EDT
0.55 0.47 nadww02

Appendix B
Field Data and Soil Profile Logs

Page 45 of 533

eTECH Environmental & Safety Solutions, Inc.

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-82 B @7'	5640
SW-47A #1	—	1088	CS-82 B @8'	2584
SW-47B	—	188	SW-1	6092
SW-38A#1	—	1768	CS-82 B @9'	1276
SW-38B	—	872	SW-1	2584
SW-38B#2	—	872	CS-43-B @10'	352
SW-38B#3	—	872	CS-47 B @7'	252
SW-38B#4	—	804	CS-82 B @10'	436
SW-38C	—	804	SW-52 A	352
SW-38C #1	—	804	CS-79 B @11'	480
SW-38C #2	—	872	SW-37 B	392
SW-38C#3	—	804	SW-36 B	1800
SW-38C#4	—	1440	SW-36 B	1276
SW-1	—	872	SW-36 B	816
NW-1	—	2544	SW-61 A	1680
FL-1 @8'	—	1256	SW-36 B	436
FL-1 @9'	—	1,168	SW-61 A	6092
FL-1 @10'	—	624	SW-61 B	352
SW-38D	—	1168		
NW-1	—	872		
NW-1	—	684		
NW-1	—	624		
NW-1	—	684		
NW-1	—	520		
SW-38D#1	—	276		
SW-38D#2	—	348		
SW-38D#3	—	872		
FL-1 @10'	—	472		
SW-38D#4	—	804		
SW-38D#5	—	1168		
SW-38E	—	624		
CS-61-B @10'	—	276		
CS-82 B @6'	—	1256		
SW-52 A	—	2544		
NW-2	—	352		
SW-1	—	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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Soil Profile

Date: 10/18/2024

Project: Outland 14-23 State 2BS 2H

Project Number: 20751 Latitude: 32.486037 Longitude: -103.445132

Depth (ft. bgs)	Description
1	Imported Fill
5	Caliche/Hard Rock
15	Brownish Red Sandy Caliche
29	TD

Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 2 (1') (H236469-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 3 (1') (H236469-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.3 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 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 *120 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 5 (3') (H236469-05)

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	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 %* *71.5-134*

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	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 6 (3') (H236469-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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:	12/01/2023	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 - 8 (3') (H236469-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 9 (3') (H236469-09)

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	12/04/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *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:	12/01/2023	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 - 10 (3') (H236469-10)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *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:	12/01/2023	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 - 11 (3') (H236469-11)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.5 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 12 (3') (H236469-12)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 13 (3') (H236469-13)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 14 (3') (H236469-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 15 (3') (H236469-15)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 16 (3') (H236469-16)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 17 (3') (H236469-17)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 18 (3') (H236469-18)

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	12/04/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 19 (3') (H236469-19)

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	12/04/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.7 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 20 (3') (H236469-20)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.1 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 21 (3') (H236469-21)

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	12/04/2023	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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 22 (3') (H236469-22)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 23 (3') (H236469-23)

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	12/04/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 24 (3') (H236469-24)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 25 (3') (H236469-25)

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	2.23	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *68.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 26 (3') (H236469-26)

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	2.23	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	12/04/2023	ND	416	104	400	3.92	

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	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.7 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 27 (3') (H236469-27)

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	2.23	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 28 (3') (H236469-28)

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	2.23	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	12/01/2023	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 - 29 (3') (H236469-29)

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	2.23	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE
Project Manager: Becky Haskel
Address: 209 W McKay St
City: Carlsbad State: NM Zip: 88220
Phone #: 936-924-8056 Fax #:
Project #: 237863 Project Owner: Earthstone
Project Name: Outland
Project Location: Lea County
Sampler Name: Tyler Kimball

BILL TO
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST: TPH, Chlorides, BTEX

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H236469											✓			
1	CS-1 (1')	C	1			X							12-1	9:00
2	CS-2 (1')													
3	CS-3 (1')													
4	CS-4 (3')													
5	CS-5 (3')													
6	CS-6 (3')													
7	CS-7 (3')													
8	CS-8 (3')													
9	CS-9 (3')													
10	CS-10 (3')													

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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 12-1-23 Time: 1:56 Received By: Tamara Oldaker
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 4.1 Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140 Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	NTGE
Project Manager:	Bailey Haskel
Address:	209 W McKay St
City:	Carlsbad
State:	NM
Zip:	88220
Phone #:	956-929-8056
Fax #:	
Project #:	237863
Project Owner:	Earthstone
Project Name:	Outland
Project Location:	Lea County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TPH
Chlorides
BTEX

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H236469														
11	CS-11 (3)	C				X					✓		12.1	9:15
12	CS-12 (3)													
13	CS-13 (3)													
14	CS-14 (3)													
15	CS-15 (3)													
16	CS-16 (3)													
17	CS-17 (3)													
18	CS-18 (3)													
19	CS-19 (3)													
20	CS-20 (3)													

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Relinquished By:	Date: 12.1.23	Received By:	
	Time: 1:56		
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☑ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

Thermometer ID #140
Correction Factor 0°C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.1
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

FORM-006 R 3.4 07/11/23

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Becky Haskel
Address:	209 W McKay St
City:	Carlsbad
State:	NM
Zip:	88220
Phone #:	956-929-8056
Fax #:	
Project #:	237863
Project Owner:	Earthstone
Project Name:	Outland
Project Location:	Lea County
Sampler Name:	Tyler Kimbell

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TPH
Chlorides
BTEX

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H236469	CS-21	C	(3)			X							12-1	9:30
21	CS-22		(3)											
22	CS-23		(3)											
23	CS-24		(3)											
24	CS-25		(3)											
25	CS-26		(3)											
26	CS-27		(3)											
27	CS-28		(3)											
28	CS-29		(3)											
29														

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Relinquished By:	Date: 12-1-23	Received By:	
Relinquished By:	Time: 1:56	Received By:	
	Date:		
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #140
Correction Factor 0°C

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.1
Corrected Temp. °C

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) T.O.

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

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	12/05/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *137 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

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 *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1260**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	12/04/2023	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *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:	12/04/2023	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
Project Location:	EARTHSTONE - LEA COUNTY		

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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *126 %* *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:	12/04/2023	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *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:	12/04/2023	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	12/05/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *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:	12/04/2023	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	12/05/2023	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.8 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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*	<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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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 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*	<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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

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	12/05/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

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	12/05/2023	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 %* *71.5-134*

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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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
Project Location:	EARTHSTONE - LEA COUNTY		

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

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**944**	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Becky Haskell
Address:	209 W McKay
City:	Carlsbad State: NM Zip: 88220
Phone #:	436924-8056 Fax #:
Project #:	237863 Project Owner: Earthstone
Project Name:	Outland
Project Location:	Lea County
Sampler Name:	Tyler Kunkall

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TDH, Chlorides, BTEX

FOR LAB USE ONLY

H230498

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
1	CS-30 (4')	C	1			X							12-4	9:00
2	CS-31 (4')													
3	CS-32 (6')													
4	CS-33 (6')													
5	CS-34 (6')													
6	CS-35 (9')													
7	CS-36 (9')													
8	CS-37 (9')													
9	CS-38 (9')													
10	CS-39 (9')													

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Relinquished By:	Date: 12-4	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 3:00		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C -0.9	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) DH	Turnaround Time: ☑ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C			Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

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CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE	**BILL TO**	
Project Manager:	Becky Haskell	P.O. #:	
Address:	209 W McKay	Company:	
City:	Carlsbad	State: NM Zip: 88220	Attn:
Phone #:	436-924-8056	Fax #:	Address:
Project #:	237863	Project Owner: Earthstone	City:
Project Name:	Outland		State: Zip:
Project Location:	Lea County		Phone #:
Sampler Name:	Tyler Hunkall		Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	Chlorides	BTEX
H236498																	
11	CS-40 (9')	C	1			X							12-4	9:30			
12	CS-41 (9')																
13	CS-42 (9')																
14	CS-43 (9')																
15	CS-44 (9')																
16	CS-45 (9')																
17	CS-46 (9')																
18	CS-47 (9')																
19	CS-48 (9')																
20	CS-49 (9')																

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Relinquished By:	Date: 12.4	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 3:00		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C -0.9°C	Sample Condition Cool Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ Yes ☐ Yes ☐ No ☐ No	
Turnaround Time:	Standard ☑ Rush ☐	Bacteria (only) Sample Condition Cool Intact	Observed Temp. °C
Thermometer ID #140 Correction Factor 0°C		☐ Yes ☐ Yes ☐ No ☐ No	Corrected Temp. °C

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

FORM-006 R 3.4 07/11/23

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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: SW - 5 0-3 (H236708-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.9 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.1 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 7 0-3 (H236708-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 9 0-2 (H236708-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 10 0-3 (H236708-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 11 0-3 (H236708-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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: SW - 13 6-9 (H236708-10)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.6 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 15 3-6 (H236708-12)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *70.3 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 17 0-3 (H236708-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 19 0-4 (H236708-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 20 0-4 (H236708-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.2 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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: SW - 22 0-5 (H236708-19)

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	2.09	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 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.2 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 23 0-5 (H236708-20)

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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.0 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 24 0-5 (H236708-21)

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	2.09	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 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.3 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 25 3-5 (H236708-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 27 3-9 (H236708-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 *85.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 28 0-9 (H236708-25)

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 *113 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 *110 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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: SW - 30 0-6 (H236708-27)

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 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

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

Received:	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 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 *115 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 32 0-6 (H236708-29)

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 *111 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 33 0-9 (H236708-30)

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 *113 %* *71.5-134*

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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 34 0-9 (H236708-31)

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 *114 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 *109 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 37 0-3 (H236708-34)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	12/19/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.8 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 39 0-3 (H236708-36)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.1 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 40 0-9 (H236708-37)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.1 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 41 0-10 (H236708-38)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 42 3-10 (H236708-39)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.0 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 43 0-10 (H236708-40)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.5 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 44 0-10 (H236708-41)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 45 0-10 (H236708-42)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 46 0-5 (H236708-43)

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	2.28	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236708

Page 7 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0
Total Containers:	103	Corrected Temperature:	—

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-4	1-3	12/15/2023	11:00	X		Comp	1		X	X	X	
SW-5	0-3	12/15/2023	11:02	X		Comp	1		X	X	X	
SW-6	0-3	12/15/2023	11:04	X		Comp	1		X	X	X	
SW-7	0-3	12/15/2023	11:06	X		Comp	1		X	X	X	
SW-8	0-3	12/15/2023	11:08	X		Comp	1		X	X	X	
SW-9	0-2	12/15/2023	11:10	X		Comp	1		X	X	X	
SW-10	0-3	12/15/2023	11:12	X		Comp	1		X	X	X	
SW-11	0-3	12/15/2023	11:14	X		Comp	1		X	X	X	
SW-12	0-3	12/15/2023	11:16	X		Comp	1		X	X	X	
SW-13	6-9	12/15/2023	11:18	X		Comp	1		X	X	X	

ANALYSIS REQUEST — Parameters

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments:

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

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

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

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NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236708

Page 8 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0
Total Containers:	103	Corrected Temperature:	—

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
11	SW-14	6-9	12/15/2023	11:20	X		Comp	1	X	X	X	
12	SW-15	3-6	12/15/2023	11:22	X		Comp	1	X	X	X	
13	SW-16	3-6	12/15/2023	11:24	X		Comp	1	X	X	X	
14	SW-17	0-3	12/15/2023	11:26	X		Comp	1	X	X	X	
15	SW-18	3-4	12/15/2023	11:28	X		Comp	1	X	X	X	
16	SW-19	0-4	12/15/2023	11:30	X		Comp	1	X	X	X	
17	SW-20	0-4	12/15/2023	11:32	X		Comp	1	X	X	X	
18	SW-21	0-3	12/15/2023	11:34	X		Comp	1	X	X	X	
19	SW-22	0-5	12/15/2023	11:36	X		Comp	1	X	X	X	
20	SW-23	0-5	12/15/2023	11:38	X		Comp	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments:

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

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

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NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236708

Page 9 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.02
Total Containers:	103	Corrected Temperature:	—

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-24	0-5	12/15/2023	11:40	X		Comp	1		X	X	X	
SW-25	3-5	12/15/2023	11:42	X		Comp	1		X	X	X	
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	X		Comp	1		X	X	X	
SW-29	0-9	12/15/2023	11:50	X		Comp	1		X	X	X	
SW-30	0-6	12/15/2023	11:52	X		Comp	1		X	X	X	
SW-31	0-9	12/15/2023	11:54	X		Comp	1		X	X	X	
SW-32	0-6	12/15/2023	11:56	X		Comp	1		X	X	X	
SW-33	0-9	12/15/2023	11:58	X		Comp	1		X	X	X	

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments:

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

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

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NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236708

Page 10 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0°
Total Containers:	103	Corrected Temperature:	—

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-34	0-9	12/15/2023	12:00	X		Comp	1	X	X	X	
SW-35	3-9	12/15/2023	12:02	X		Comp	1	X	X	X	
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	X		Comp	1	X	X	X	
SW-39	0-3	12/15/2023	12:10	X		Comp	1	X	X	X	
SW-40	0-9	12/15/2023	12:12	X		Comp	1	X	X	X	
SW-41	0-10	12/15/2023	12:14	X		Comp	1	X	X	X	
SW-42	3-10	12/15/2023	12:16	X		Comp	1	X	X	X	
SW-43	0-10	12/15/2023	12:18	X		Comp	1	X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments:

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Shodriquez	10.18.23 1055	2			
3				4			
5				6			

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Page 155 of 533

NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H236708

Page 11 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	140	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0	
Total Containers:	103	Corrected Temperature:	—	

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
SW-44	0-10	12/15/2023	12:20	X		Comp	1		X	X	X	
SW-45	0-10	12/15/2023	12:22	X		Comp	1		X	X	X	
SW-46	0-5	12/15/2023	12:24	X		Comp	1		X	X	X	

Parameters

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	S Rodriguez	10-18-23 1055	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 50 3 (H236707-01)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	12/18/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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 - 52 3 (H236707-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	12/18/2023	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 53 3 (H236707-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	12/18/2023	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.5 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 54 3 (H236707-05)

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	2.50	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 %* *71.5-134*

Chloride, SM4500Cl-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	12/18/2023	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 55 3 (H236707-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	12/18/2023	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 *83.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 56 3 (H236707-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

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	12/19/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 59 3 (H236707-10)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 60 3 (H236707-11)

BTEX 8021B mg/kg Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 62 3 (H236707-13)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 63 3 (H236707-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 64 3 (H236707-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.6 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

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	2.49	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.3 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 69 3 (H236707-20)

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 *97.1 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.1 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 71 3 (H236707-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 73 5 (H236707-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	12/19/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

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 %* *71.5-134*

Chloride, SM4500Cl-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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 75 5 (H236707-26)

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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 76 5 (H236707-27)

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 *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 77 5 (H236707-28)

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 *101 %* *71.5-134*

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	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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 78 5 (H236707-29)

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 *100 %* *71.5-134*

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	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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.7 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 79 5 (H236707-30)

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 %* *71.5-134*

Chloride, SM4500Cl-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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 80 5 (H236707-31)

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 *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.2 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 81 5 (H236707-32)

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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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 %* *71.5-134*

Chloride, SM4500Cl-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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 83 5 (H236707-34)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 84 5 (H236707-35)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	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 - 85 5 (H236707-36)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-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	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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.7 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 86 10 (H236707-37)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 87 10 (H236707-38)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed 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 **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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 88 10 (H236707-39)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

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

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	12/18/2023	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 %* *71.5-134*

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	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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 90 10 (H236707-41)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 91 10 (H236707-42)

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	12/18/2023	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 %* *71.5-134*

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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 92 10 (H236707-43)

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	12/18/2023	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	
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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 93 10 (H236707-44)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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 - 94 10 (H236707-45)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed 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 **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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 95 10 (H236707-46)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-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 **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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 96 10 (H236707-47)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 97 10 (H236707-48)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.8 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 98 2 (H236707-49)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-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 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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 99 2 (H236707-50)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-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 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*	**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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 100 4 (H236707-51)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.1 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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 - 102 4 (H236707-53)

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	2.19	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *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
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 103 4 (H236707-54)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 105 4 (H236707-56)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3040**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.2 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 106 5 (H236707-57)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-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	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.9 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 1 0-1 (H236707-58)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.4 %* *49.1-148*

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Analytical Results For:

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

Received:	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 - 2 1-3 (H236707-59)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**496**	16.0	12/19/2023	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	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 - 3 0-1 (H236707-60)

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	2.14	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	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	12/20/2023	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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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Celey D. Keene, Lab Director/Quality Manager

Page 218 of 533

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 1 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0 c
Total Containers:	103	Corrected Temperature:	—

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD
CS-50	3	12/15/2023	9:00	X		Comp	1		X	X	X	
CS-51	3	12/15/2023	9:02	X		Comp	1		X	X	X	
CS-52	3	12/15/2023	9:04	X		Comp	1		X	X	X	
CS-53	3	12/15/2023	9:06	X		Comp	1		X	X	X	
CS-54	3	12/15/2023	9:08	X		Comp	1		X	X	X	
CS-55	3	12/15/2023	9:10	X		Comp	1		X	X	X	
CS-56	3	12/15/2023	9:12	X		Comp	1		X	X	X	
CS-57	3	12/15/2023	9:14	X		Comp	1		X	X	X	
CS-58	3	12/15/2023	9:16	X		Comp	1		X	X	X	
CS-59	3	12/15/2023	9:18	X		Comp	1		X	X	X	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Additional Comments: Eshnc = Permian on same Jobs

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Rodriguez	12.18.23 1055	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Page 219 of 533

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 2 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	☑ Routine ☐ Rush
Project Number:	237863	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.02
Total Containers:	103	Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
11	CS-60	3	12/15/2023	9:20	X		Comp	1		X	X	X		
12	CS-61	3	12/15/2023	9:22	X		Comp	1		X	X	X		
13	CS-62	3	12/15/2023	9:24	X		Comp	1		X	X	X		
14	CS-63	3	12/15/2023	9:26	X		Comp	1		X	X	X		
15	CS-64	3	12/15/2023	9:28	X		Comp	1		X	X	X		
1	CS-65	3	12/15/2023	9:30	X		Comp	1		X	X	X		
	CS-66	3	12/15/2023	9:32	X		Comp	1		X	X	X		
	CS-67	3	12/15/2023	9:34	X		Comp	1		X	X	X		
	CS-68	3	12/15/2023	9:36	X		Comp	1		X	X	X		
	CS-69	3	12/15/2023	9:38	X		Comp	1		X	X	X		

Additional Comments:

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

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 3 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0
Total Containers:	103	Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
21	CS-70	3	12/15/2023	9:40	X		Comp	1		X	X	X		
22	CS-71	3	12/15/2023	9:42	X		Comp	1		X	X	X		
23	CS-72	5	12/15/2023	9:44	X		Comp	1		X	X	X		
24	CS-73	5	12/15/2023	9:46	X		Comp	1		X	X	X		
25	CS-74	5	12/15/2023	9:48	X		Comp	1		X	X	X		
26	CS-75	5	12/15/2023	9:50	X		Comp	1		X	X	X		
27	CS-76	5	12/15/2023	9:52	X		Comp	1		X	X	X		
28	CS-77	5	12/15/2023	9:54	X		Comp	1		X	X	X		
29	CS-78	5	12/15/2023	9:56	X		Comp	1		X	X	X		
30	CS-79	5	12/15/2023	9:58	X		Comp	1		X	X	X		

Parameters

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Stedrigney	12-8-23 1055	2		
3			4		
5			6		

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 4 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	☑ Routine ☐ Rush
Project Number:	237863	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0 i
Total Containers:	103	Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
31	CS-80	5	12/15/2023	10:00	X		Comp	1		X	X	X		
32	CS-81	5	12/15/2023	10:02	X		Comp	1		X	X	X		
33	CS-82	5	12/15/2023	10:04	X		Comp	1		X	X	X		
34	CS-83	5	12/15/2023	10:06	X		Comp	1		X	X	X		
35	CS-84	5	12/15/2023	10:08	X		Comp	1		X	X	X		
36	CS-85	5	12/15/2023	10:10	X		Comp	1		X	X	X		
37	CS-86	10	12/15/2023	10:12	X		Comp	1		X	X	X		
38	CS-87	10	12/15/2023	10:14	X		Comp	1		X	X	X		
39	CS-88	10	12/15/2023	10:16	X		Comp	1		X	X	X		
40	CS-89	10	12/15/2023	10:18	X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2 Rodriguez	12-18-23 1055	2		
3			4		
5			6		

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 5 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	☑ Routine ☐ Rush
Project Number:	237863	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0c
Total Containers:	103	Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
41	CS-90	10	12/15/2023	10:20	X		Comp	1	X	X	X		
42	CS-91	10	12/15/2023	10:22	X		Comp	1	X	X	X		
43	CS-92	10	12/15/2023	10:24	X		Comp	1	X	X	X		
44	CS-93	10	12/15/2023	10:26	X		Comp	1	X	X	X		
45	CS-94	10	12/15/2023	10:28	X		Comp	1	X	X	X		
46	CS-95	10	12/15/2023	10:30	X		Comp	1	X	X	X		
47	CS-96	10	12/15/2023	10:32	X		Comp	1	X	X	X		
48	CS-97	10	12/15/2023	10:34	X		Comp	1	X	X	X		
49	CS-98	2	12/15/2023	10:36	X		Comp	1	X	X	X		
50	CS-99	2	12/15/2023	10:38	X		Comp	1	X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	SRodriguez	12.18.23 10:55	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236707

Page 6 of 11

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland 14-23 State 2BS #2H	Turn Around	☑ Routine ☐ Rush
Project Number:	237863	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	-10.0c
Total Containers:	103	Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
51	CS-100	4	12/15/2023	10:40	X		Comp	1		X	X	X		
52	CS-101	4	12/15/2023	10:42	X		Comp	1		X	X	X		
53	CS-102	4	12/15/2023	10:44	X		Comp	1		X	X	X		
54	CS-103	4	12/15/2023	10:46	X		Comp	1		X	X	X		
55	CS-104	4	12/15/2023	10:48	X		Comp	1		X	X	X		
56	CS-105	4	12/15/2023	10:50	X		Comp	1		X	X	X		
57	CS-106	5	12/15/2023	10:52	X		Comp	1		X	X	X		
58	SW-1	0-1	12/15/2023	10:54	X		Comp	1		X	X	X		
59	SW-2	1-3	12/15/2023	10:56	X		Comp	1		X	X	X		
60	SW-3	0-1	12/15/2023	10:58	X		Comp	1		X	X	X		

Additional Comments:

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			12.8.23 1055	2			
3				4			
5				6			

Revised Date 05012020 Rev. 2020.1

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/26/2024 1:16:41 PM Revision 1

JOB DESCRIPTION

Outland State
Lea County

JOB NUMBER

890-6478-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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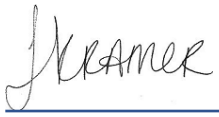
Eurofins Carlsbad

Job Notes

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

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

Authorization



Generated
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Revision 1

Authorized for release by
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Definitions/Glossary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project: Outland State

Job ID: 890-6478-1

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Job Narrative
890-6478-1

REVISION

The report being provided is a revision of the original report sent on 4/26/2024. The report (revision 1) is being revised due to Per client email, Samples SW-22A and SW-46A were supposed to be removed from report..

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

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

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

Receipt
The samples were received on 4/12/2024 2:56 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.4°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-20A (890-6478-1), CS-21A (890-6478-2), CS-24A (890-6478-3), CS-28A (890-6478-4), CS-29A (890-6478-5), CS-33A (890-6478-6), CS-34A (890-6478-7), CS-37A (890-6478-8), CS-42A (890-6478-9), CS-43A (890-6478-10), CS-47A (890-6478-11), CS-49A (890-6478-12), CS-57A (890-6478-13), CS-60A (890-6478-14), CS-61A (890-6478-15), CS-64A (890-6478-16), CS-65A (890-6478-17), CS-66A (890-6478-18), CS-79A (890-6478-19), CS-82A (890-6478-20), CS-98A (890-6478-21), CS-99A (890-6478-22), CS-107 (890-6478-23), CS-108 (890-6478-24), CS-109 (890-6478-25), CS-110 (890-6478-26), SW-47 (890-6478-27), SW-48 (890-6478-28), SW-49 (890-6478-29), SW-50 (890-6478-30), SW-51 (890-6478-31), SW-52 (890-6478-32), SW-53 (890-6478-33), SW-54 (890-6478-34), SW-55 (890-6478-35), SW-56 (890-6478-36), SW-57 (890-6478-37), SW-58 (890-6478-38), SW-59 (890-6478-39), SW-60 (890-6478-40), SW-61 (890-6478-41), SW-62 (890-6478-42), SW-63 (890-6478-43), SW-64 (890-6478-44), SW-65 (890-6478-45), SW-9A (890-6478-46), SW-12A (890-6478-47), SW-13A (890-6478-48), SW-14A (890-6478-49), SW-39A (890-6478-50), SW-18A (890-6478-51), SW-22A (890-6478-52), SW-23A (890-6478-53), SW-30A (890-6478-54), SW-31A (890-6478-55), SW-32A (890-6478-56), SW-36A (890-6478-57), SW-37A (890-6478-58), SW-38A (890-6478-59) and SW-46A (890-6478-60).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78381 and analytical batch 880-77572 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-78438 recovered above the upper control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-78438/20).

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-78383 and analytical batch 880-78438 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-79014/20), (CCV 880-79014/33) and (880-42547-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-78968 and analytical batch 880-79014 was outside the upper control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78968 and analytical

Case Narrative

Client: NT Global
Project: Outland State

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Job ID: 890-6478-1 (Continued) Eurofins Carlsbad

batch 880-79014 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-28A (890-6478-4), CS-43A (890-6478-10) and (890-6478-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-57A (890-6478-13), CS-60A (890-6478-14), CS-61A (890-6478-15), CS-64A (890-6478-16) and CS-65A (890-6478-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-61 (890-6478-41), SW-63 (890-6478-43), SW-64 (890-6478-44), SW-65 (890-6478-45), SW-12A (890-6478-47), SW-13A (890-6478-48), SW-22A (890-6478-52), SW-30A (890-6478-54), SW-31A (890-6478-55), SW-32A (890-6478-56) and SW-46A (890-6478-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-78364 and analytical batch 880-78311 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-78360 and analytical batch 880-78311 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-110 (890-6478-26) and SW-47 (890-6478-27). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-78294 and analytical batch 880-78403 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78296 and 880-78296 and analytical batch 880-78415 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

SW-53 (890-6478-33), SW-54 (890-6478-34), SW-55 (890-6478-35), SW-56 (890-6478-36), SW-57 (890-6478-37), SW-58 (890-6478-38), SW-59 (890-6478-39), SW-60 (890-6478-40), SW-61 (890-6478-41), SW-62 (890-6478-42), (890-6478-A-33-B MS) and (890-6478-A-33-C MSD)

Method 300_ORGFM_28D - Soluble: TheChloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78297 and 880-78297 and analytical batch 880-78423 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

SW-23A (890-6478-53), SW-30A (890-6478-54), SW-31A (890-6478-55), SW-32A (890-6478-56), SW-36A (890-6478-57), SW-37A (890-6478-58), SW-38A (890-6478-59), SW-46A (890-6478-60), (890-6478-A-53-B MS) and (890-6478-A-53-C MSD)

Method 300_ORGFM_28D - Soluble: The followings sample was analyzed at a dilution due to the Matrix Conductivity Threshold (MCT) of the instrument: SW-32A (890-6478-56). The reporting limits have been adjusted accordingly.

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-78297 and analytical batch 880-78423 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Case Narrative

Client: NT Global
Project: Outland State

Job ID: 890-6478-1

Job ID: 890-6478-1 (Continued) Eurofins Carlsbad

SW-63 (890-6478-43), SW-64 (890-6478-44), SW-65 (890-6478-45), SW-9A (890-6478-46), SW-12A (890-6478-47), SW-13A (890-6478-48), SW-14A (890-6478-49), SW-39A (890-6478-50), SW-18A (890-6478-51), SW-22A (890-6478-52), (890-6478-A-43-B MS) and (890-6478-A-43-C MSD)

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

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-20A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 16:13	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:43	04/16/24 16:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:43	04/16/24 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:43*	*04/16/24 16:13*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:43*	*04/16/24 16:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/16/24 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/16/24 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	49.8		mg/Kg		04/16/24 09:15	04/16/24 11:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 11:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/16/24 09:15*	*04/16/24 11:51*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/16/24 09:15*	*04/16/24 11:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		5.04		mg/Kg			04/16/24 19:41	1

Client Sample ID: CS-21A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:43	04/16/24 16:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:43	04/16/24 16:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:43	04/16/24 16:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/16/24 11:43	04/16/24 16:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/16/24 11:43	04/16/24 16:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:43	04/16/24 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/16/24 11:43*	*04/16/24 16:40*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:43*	*04/16/24 16:40*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-21A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/16/24 16:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/16/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 12:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 12:56	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*04/16/24 09:15*	*04/16/24 12:56*	*1*
o-Terphenyl	*93*		*70 - 130*	*04/16/24 09:15*	*04/16/24 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		5.05		mg/Kg			04/16/24 19:46	1

Client Sample ID: CS-24A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-3
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/16/24 11:43	04/16/24 17:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/16/24 11:43	04/16/24 17:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/16/24 11:43*	*04/16/24 17:06*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*04/16/24 11:43*	*04/16/24 17:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/16/24 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/16/24 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/16/24 09:15	04/16/24 13:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/24 09:15	04/16/24 13:18	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-24A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/24 09:15	04/16/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*04/16/24 09:15*	*04/16/24 13:18*	*1*
o-Terphenyl	*89*		*70 - 130*	*04/16/24 09:15*	*04/16/24 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**930**		5.05		mg/Kg			04/16/24 19:51	1

Client Sample ID: CS-28A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:43	04/16/24 17:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:43	04/16/24 17:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/16/24 11:43*	*04/16/24 17:32*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:43*	*04/16/24 17:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/16/24 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.2**		49.7		mg/Kg			04/16/24 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/16/24 09:15	04/16/24 13:40	1
Diesel Range Organics (Over C10-C28)	**58.2**		49.7		mg/Kg		04/16/24 09:15	04/16/24 13:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/24 09:15	04/16/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 13:40*	*1*
o-Terphenyl	*115*		*70 - 130*	*04/16/24 09:15*	*04/16/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14200**		99.8		mg/Kg			04/16/24 19:56	20

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-29A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/22/24 17:00	04/23/24 18:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/22/24 17:00	04/23/24 18:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/22/24 17:00	04/23/24 18:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/22/24 17:00	04/23/24 18:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/22/24 17:00	04/23/24 18:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/22/24 17:00	04/23/24 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*04/22/24 17:00*	*04/23/24 18:42*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/22/24 17:00*	*04/23/24 18:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/23/24 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 14:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:02*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**626**		5.00		mg/Kg			04/16/24 20:00	1

Client Sample ID: CS-33A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 01:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 01:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:18*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-33A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/18/24 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/16/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 14:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 14:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:24*	*1*
o-Terphenyl	*84*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**313**		5.01		mg/Kg			04/16/24 20:05	1

Client Sample ID: CS-34A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 01:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 01:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:39*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/18/24 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/24 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/16/24 09:15	04/16/24 14:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/24 09:15	04/16/24 14:46	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-34A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/24 09:15	04/16/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:46*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/16/24 09:15*	*04/16/24 14:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**259**		5.03		mg/Kg			04/16/24 20:10	1

Client Sample ID: CS-37A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-8
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 01:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 01:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 01:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/17/24 11:06	04/18/24 01:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/17/24 11:06	04/18/24 01:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/17/24 11:06*	*04/18/24 01:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/18/24 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/16/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/16/24 09:15	04/16/24 15:10	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/24 09:15	04/16/24 15:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/24 09:15	04/16/24 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/16/24 09:15*	*04/16/24 15:10*	*1*
o-Terphenyl	*94*		*70 - 130*	*04/16/24 09:15*	*04/16/24 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**279**		4.98		mg/Kg			04/17/24 16:31	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-42A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-9
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 02:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 02:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 02:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/17/24 11:06	04/18/24 02:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/17/24 11:06	04/18/24 02:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/17/24 11:06*	*04/18/24 02:20*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/17/24 11:06*	*04/18/24 02:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/18/24 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/16/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:15	04/16/24 15:32	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/16/24 09:15	04/16/24 15:32	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:15	04/16/24 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/16/24 09:15*	*04/16/24 15:32*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/16/24 09:15*	*04/16/24 15:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**304**		5.02		mg/Kg			04/17/24 16:38	1

Client Sample ID: CS-43A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 02:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 02:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 02:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/17/24 11:06	04/18/24 02:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/17/24 11:06	04/18/24 02:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/17/24 11:06	04/18/24 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/17/24 11:06*	*04/18/24 02:40*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/17/24 11:06*	*04/18/24 02:40*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-43A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/18/24 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**171**		50.4		mg/Kg			04/16/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:15	04/16/24 15:54	1
Diesel Range Organics (Over C10-C28)	**171**		50.4		mg/Kg		04/16/24 09:15	04/16/24 15:54	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:15	04/16/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 15:54*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/16/24 09:15*	*04/16/24 15:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**374**		5.04		mg/Kg			04/17/24 16:44	1

Client Sample ID: CS-47A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-11
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/17/24 11:06	04/18/24 03:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/17/24 11:06	04/18/24 03:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:01*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/18/24 03:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**216**		50.1		mg/Kg			04/16/24 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:15	04/16/24 16:37	1
Diesel Range Organics (Over C10-C28)	**216**		50.1		mg/Kg		04/16/24 09:15	04/16/24 16:37	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-47A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:15	04/16/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*04/16/24 09:15*	*04/16/24 16:37*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/16/24 09:15*	*04/16/24 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		5.01		mg/Kg			04/17/24 16:50	1

Client Sample ID: CS-49A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-12
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 03:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 03:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 03:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/17/24 11:06	04/18/24 03:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/17/24 11:06	04/18/24 03:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:21*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/18/24 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.9**		50.5		mg/Kg			04/16/24 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 16:59	1
Diesel Range Organics (Over C10-C28)	**74.9**		50.5		mg/Kg		04/16/24 09:15	04/16/24 16:59	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/16/24 09:15*	*04/16/24 16:59*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/16/24 09:15*	*04/16/24 16:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**208**		5.00		mg/Kg			04/17/24 16:57	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-57A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/24 11:06	04/18/24 03:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/17/24 11:06	04/18/24 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:42*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/17/24 11:06*	*04/18/24 03:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/18/24 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 17:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:15	04/16/24 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 17:21*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/16/24 09:15*	*04/16/24 17:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**237**		4.98		mg/Kg			04/17/24 17:03	1

Client Sample ID: CS-60A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-14
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 04:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 04:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 04:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 04:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 04:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/17/24 11:06*	*04/18/24 04:02*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/17/24 11:06*	*04/18/24 04:02*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-60A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/18/24 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/16/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 17:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 17:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 17:42*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/16/24 09:15*	*04/16/24 17:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**477**		4.99		mg/Kg			04/17/24 17:09	1

Client Sample ID: CS-61A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-15
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 04:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 04:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 04:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/17/24 11:06	04/18/24 04:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/17/24 11:06	04/18/24 04:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/17/24 11:06	04/18/24 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/17/24 11:06*	*04/18/24 04:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/17/24 11:06*	*04/18/24 04:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/18/24 04:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**753**		49.8		mg/Kg			04/16/24 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 18:04	1
Diesel Range Organics (Over C10-C28)	**753**		49.8		mg/Kg		04/16/24 09:15	04/16/24 18:04	1

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Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-61A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:15	04/16/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 18:04*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/16/24 09:15*	*04/16/24 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**481**		5.02		mg/Kg			04/17/24 00:02	1

Client Sample ID: CS-64A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-16
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 05:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 05:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 05:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/17/24 11:06	04/18/24 05:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/17/24 11:06	04/18/24 05:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/17/24 11:06*	*04/18/24 05:55*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/17/24 11:06*	*04/18/24 05:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/18/24 05:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.8**		50.3		mg/Kg			04/16/24 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/16/24 09:15	04/16/24 18:25	1
Diesel Range Organics (Over C10-C28)	**50.8**		50.3		mg/Kg		04/16/24 09:15	04/16/24 18:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/24 09:15	04/16/24 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 18:25*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/16/24 09:15*	*04/16/24 18:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		5.03		mg/Kg			04/17/24 00:21	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-65A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-17
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 06:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:16*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/18/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/16/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/16/24 09:15	04/16/24 18:46	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/16/24 09:15	04/16/24 18:46	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/16/24 09:15	04/16/24 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*04/16/24 09:15*	*04/16/24 18:46*	*1*
o-Terphenyl	*117*		*70 - 130*	*04/16/24 09:15*	*04/16/24 18:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		5.02		mg/Kg			04/17/24 00:27	1

Client Sample ID: CS-66A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-18
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 06:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 06:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 06:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/17/24 11:06	04/18/24 06:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/17/24 11:06	04/18/24 06:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:36*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:36*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-66A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/18/24 06:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/24 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:15	04/16/24 19:06	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/24 09:15	04/16/24 19:06	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:15	04/16/24 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:06*	*1*
o-Terphenyl	*105*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.1**		4.95		mg/Kg			04/17/24 00:33	1

Client Sample ID: CS-79A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-19
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 06:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 06:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 06:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/17/24 11:06	04/18/24 06:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/17/24 11:06	04/18/24 06:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/17/24 11:06	04/18/24 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/17/24 11:06*	*04/18/24 06:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/18/24 06:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.3**		50.5		mg/Kg			04/16/24 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 19:27	1
Diesel Range Organics (Over C10-C28)	**74.3**		50.5		mg/Kg		04/16/24 09:15	04/16/24 19:27	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-79A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:15	04/16/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:27*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7240**		50.4		mg/Kg			04/17/24 00:39	10

Client Sample ID: CS-82A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-20
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 07:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 07:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 07:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 07:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/17/24 11:06	04/18/24 07:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/17/24 11:06	04/18/24 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/17/24 11:06*	*04/18/24 07:17*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/17/24 11:06*	*04/18/24 07:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/18/24 07:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/16/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 19:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 19:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:48*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/16/24 09:15*	*04/16/24 19:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4510**		25.2		mg/Kg			04/17/24 00:46	5

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-98A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-21
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 02:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:17*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 02:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 11:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 11:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/16/24 09:18*	*04/16/24 11:51*	*1*
o-Terphenyl	*111*		*70 - 130*	*04/16/24 09:18*	*04/16/24 11:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3370**		25.2		mg/Kg			04/17/24 00:52	5

Client Sample ID: CS-99A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-22
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 02:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 02:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 02:37	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/16/24 11:45	04/17/24 02:37	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/16/24 11:45	04/17/24 02:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:37*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:37*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-99A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/17/24 02:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/16/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:18	04/16/24 12:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/16/24 09:18	04/16/24 12:56	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:18	04/16/24 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/16/24 09:18*	*04/16/24 12:56*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/16/24 09:18*	*04/16/24 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2810**		25.1		mg/Kg			04/17/24 00:58	5

Client Sample ID: CS-107
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-23
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/16/24 11:45	04/17/24 02:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/16/24 11:45	04/17/24 02:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:58*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 02:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/17/24 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 13:18	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-107
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:18	04/16/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/16/24 09:18*	*04/16/24 13:18*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/16/24 09:18*	*04/16/24 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.7**		4.98		mg/Kg			04/17/24 02:22	1

Client Sample ID: CS-108
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-24
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 03:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 03:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:18*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/16/24 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 13:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 13:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*04/16/24 09:18*	*04/16/24 13:40*	*1*
o-Terphenyl	*70*		*70 - 130*	*04/16/24 09:18*	*04/16/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**617**		5.04		mg/Kg			04/17/24 02:37	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-109
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-25
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 03:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/16/24 11:45	04/17/24 03:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/16/24 11:45	04/17/24 03:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:39*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/17/24 03:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/16/24 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/16/24 09:18*	*04/16/24 14:02*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/16/24 09:18*	*04/16/24 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		4.99		mg/Kg			04/17/24 02:41	1

Client Sample ID: CS-110
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-26
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:45	04/17/24 03:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:45	04/17/24 03:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/16/24 11:45*	*04/17/24 03:59*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-110
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/17/24 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			04/16/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/16/24 09:18	04/16/24 14:24	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		04/16/24 09:18	04/16/24 14:24	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/16/24 09:18	04/16/24 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*49*	*S1-*	*70 - 130*	*04/16/24 09:18*	*04/16/24 14:24*	*1*
o-Terphenyl	*47*	*S1-*	*70 - 130*	*04/16/24 09:18*	*04/16/24 14:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		5.03		mg/Kg			04/17/24 02:46	1

Client Sample ID: SW-47
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-27
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 04:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 04:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 04:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/16/24 11:45	04/17/24 04:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/16/24 11:45	04/17/24 04:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/16/24 11:45*	*04/17/24 04:20*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 04:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/17/24 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**96.4**		50.1		mg/Kg			04/16/24 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:18	04/16/24 14:46	1
Diesel Range Organics (Over C10-C28)	**96.4**		50.1		mg/Kg		04/16/24 09:18	04/16/24 14:46	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-47
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:18	04/16/24 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*04/16/24 09:18*	*04/16/24 14:46*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*04/16/24 09:18*	*04/16/24 14:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**712**		5.00		mg/Kg			04/17/24 02:51	1

Client Sample ID: SW-48
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-28
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:45	04/17/24 04:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:45	04/17/24 04:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:45	04/17/24 04:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/16/24 11:45	04/17/24 04:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/16/24 11:45	04/17/24 04:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:45	04/17/24 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 04:40*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 04:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/17/24 04:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 15:10	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 15:10	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:10*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**576**		4.96		mg/Kg			04/17/24 03:06	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-49

Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-29
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 05:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 05:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 05:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/16/24 11:45	04/17/24 05:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/16/24 11:45	04/17/24 05:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:45	04/17/24 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/16/24 11:45*	*04/17/24 05:00*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/16/24 11:45*	*04/17/24 05:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/17/24 05:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/16/24 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 15:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:32*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		5.02		mg/Kg			04/17/24 03:10	1

Client Sample ID: SW-50

Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-30
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 05:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 05:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 05:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 05:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:45	04/17/24 05:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/16/24 11:45*	*04/17/24 05:21*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 05:21*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-50
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-30
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 05:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**84.1**		49.8		mg/Kg			04/16/24 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 15:54	1
Diesel Range Organics (Over C10-C28)	**84.1**		49.8		mg/Kg		04/16/24 09:18	04/16/24 15:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:18	04/16/24 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:54*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/16/24 09:18*	*04/16/24 15:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**293**		4.96		mg/Kg			04/17/24 03:15	1

Client Sample ID: SW-51
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-31
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 06:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 06:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 06:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/16/24 11:45	04/17/24 06:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/16/24 11:45	04/17/24 06:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:45	04/17/24 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*04/16/24 11:45*	*04/17/24 06:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 06:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/17/24 06:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/16/24 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 16:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 16:37	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-51
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*04/16/24 09:18*	*04/16/24 16:37*	*1*
o-Terphenyl	*92*		*70 - 130*	*04/16/24 09:18*	*04/16/24 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5760**		50.2		mg/Kg			04/17/24 03:20	10

Client Sample ID: SW-52
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-32
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.907	U	0.907		mg/Kg		04/16/24 11:45	04/17/24 07:14	1
Ethylbenzene	<0.907	U	0.907		mg/Kg		04/16/24 11:45	04/17/24 07:14	1
Toluene	<0.907	U	0.907		mg/Kg		04/16/24 11:45	04/17/24 07:14	1
Xylenes, Total	<1.81	U	1.81		mg/Kg		04/16/24 11:45	04/17/24 07:14	1
m-Xylene & p-Xylene	<1.81	U	1.81		mg/Kg		04/16/24 11:45	04/17/24 07:14	1
o-Xylene	<0.907	U	0.907		mg/Kg		04/16/24 11:45	04/17/24 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.81	U	1.81		mg/Kg			04/17/24 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**408**		50.0		mg/Kg			04/16/24 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 16:59	1
Diesel Range Organics (Over C10-C28)	**408**		50.0		mg/Kg		04/16/24 09:18	04/16/24 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*04/16/24 09:18*	*04/16/24 16:59*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/16/24 09:18*	*04/16/24 16:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20400**		101		mg/Kg			04/17/24 03:25	20

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-53
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-33
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 07:35	1
Ethylbenzene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 07:35	1
Toluene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 07:35	1
Xylenes, Total	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 07:35	1
m-Xylene & p-Xylene	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 07:35	1
o-Xylene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 07:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:35*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.80	U	1.80		mg/Kg			04/17/24 07:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**137**		50.1		mg/Kg			04/16/24 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:18	04/16/24 17:21	1
Diesel Range Organics (Over C10-C28)	**137**		50.1		mg/Kg		04/16/24 09:18	04/16/24 17:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:18	04/16/24 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*04/16/24 09:18*	*04/16/24 17:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/16/24 09:18*	*04/16/24 17:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3660**	**F1**	25.1		mg/Kg			04/17/24 03:30	5

Client Sample ID: SW-54
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-34
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 07:55	1
Ethylbenzene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 07:55	1
Toluene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 07:55	1
Xylenes, Total	<1.82	U	1.82		mg/Kg		04/16/24 11:45	04/17/24 07:55	1
m-Xylene & p-Xylene	<1.82	U	1.82		mg/Kg		04/16/24 11:45	04/17/24 07:55	1
o-Xylene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 07:55*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-54
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-34
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.82	U	1.82		mg/Kg			04/17/24 07:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.6**		50.4		mg/Kg			04/16/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 17:42	1
Diesel Range Organics (Over C10-C28)	**58.6**		50.4		mg/Kg		04/16/24 09:18	04/16/24 17:42	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/16/24 09:18*	*04/16/24 17:42*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/16/24 09:18*	*04/16/24 17:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13300**		99.8		mg/Kg			04/17/24 03:44	20

Client Sample ID: SW-55
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-35
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 08:16	1
Ethylbenzene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 08:16	1
Toluene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 08:16	1
Xylenes, Total	<1.82	U	1.82		mg/Kg		04/16/24 11:45	04/17/24 08:16	1
m-Xylene & p-Xylene	<1.82	U	1.82		mg/Kg		04/16/24 11:45	04/17/24 08:16	1
o-Xylene	<0.909	U	0.909		mg/Kg		04/16/24 11:45	04/17/24 08:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:16*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.82	U	1.82		mg/Kg			04/17/24 08:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/16/24 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 18:04	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 18:04	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-55
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-35
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:04*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2370**		25.2		mg/Kg			04/17/24 03:49	5

Client Sample ID: SW-56
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-36
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 08:36	1
Ethylbenzene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 08:36	1
Toluene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 08:36	1
Xylenes, Total	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 08:36	1
m-Xylene & p-Xylene	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 08:36	1
o-Xylene	<0.902	U	0.902		mg/Kg		04/16/24 11:45	04/17/24 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:36*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.80	U	1.80		mg/Kg			04/17/24 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/16/24 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/16/24 09:18	04/16/24 18:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/24 09:18	04/16/24 18:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/24 09:18	04/16/24 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:25*	*1*
o-Terphenyl	*118*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.9**		4.98		mg/Kg			04/17/24 04:03	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-57
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-37
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.905	U	0.905		mg/Kg		04/16/24 11:45	04/17/24 08:56	1
Ethylbenzene	<0.905	U	0.905		mg/Kg		04/16/24 11:45	04/17/24 08:56	1
Toluene	<0.905	U	0.905		mg/Kg		04/16/24 11:45	04/17/24 08:56	1
Xylenes, Total	<1.81	U	1.81		mg/Kg		04/16/24 11:45	04/17/24 08:56	1
m-Xylene & p-Xylene	<1.81	U	1.81		mg/Kg		04/16/24 11:45	04/17/24 08:56	1
o-Xylene	<0.905	U	0.905		mg/Kg		04/16/24 11:45	04/17/24 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 08:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.81	U	1.81		mg/Kg			04/17/24 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			04/16/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/16/24 09:18	04/16/24 18:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		04/16/24 09:18	04/16/24 18:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/24 09:18	04/16/24 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:46*	*1*
o-Terphenyl	*123*		*70 - 130*	*04/16/24 09:18*	*04/16/24 18:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**405**		5.03		mg/Kg			04/17/24 04:08	1

Client Sample ID: SW-58
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-38
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.913	U	0.913		mg/Kg		04/16/24 11:45	04/17/24 09:17	1
Ethylbenzene	<0.913	U	0.913		mg/Kg		04/16/24 11:45	04/17/24 09:17	1
Toluene	<0.913	U	0.913		mg/Kg		04/16/24 11:45	04/17/24 09:17	1
Xylenes, Total	<1.83	U	1.83		mg/Kg		04/16/24 11:45	04/17/24 09:17	1
m-Xylene & p-Xylene	<1.83	U	1.83		mg/Kg		04/16/24 11:45	04/17/24 09:17	1
o-Xylene	<0.913	U	0.913		mg/Kg		04/16/24 11:45	04/17/24 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:17*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:17*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-58
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-38
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.83	U	1.83		mg/Kg			04/17/24 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			04/16/24 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/16/24 09:18	04/16/24 19:06	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		04/16/24 09:18	04/16/24 19:06	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/24 09:18	04/16/24 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:06*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.4**		4.99		mg/Kg			04/17/24 04:13	1

Client Sample ID: SW-59
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-39
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.916	U	0.916		mg/Kg		04/16/24 11:45	04/17/24 09:37	1
Ethylbenzene	<0.916	U	0.916		mg/Kg		04/16/24 11:45	04/17/24 09:37	1
Toluene	<0.916	U	0.916		mg/Kg		04/16/24 11:45	04/17/24 09:37	1
Xylenes, Total	<1.83	U	1.83		mg/Kg		04/16/24 11:45	04/17/24 09:37	1
m-Xylene & p-Xylene	<1.83	U	1.83		mg/Kg		04/16/24 11:45	04/17/24 09:37	1
o-Xylene	<0.916	U	0.916		mg/Kg		04/16/24 11:45	04/17/24 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:37*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.83	U	1.83		mg/Kg			04/17/24 09:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/16/24 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 19:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 19:27	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-59
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-39
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:18	04/16/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:27*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**388**		5.01		mg/Kg			04/17/24 04:18	1

Client Sample ID: SW-60
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-40
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.900	U	0.900		mg/Kg		04/16/24 11:45	04/17/24 09:58	1
Ethylbenzene	<0.900	U	0.900		mg/Kg		04/16/24 11:45	04/17/24 09:58	1
Toluene	<0.900	U	0.900		mg/Kg		04/16/24 11:45	04/17/24 09:58	1
Xylenes, Total	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 09:58	1
m-Xylene & p-Xylene	<1.80	U	1.80		mg/Kg		04/16/24 11:45	04/17/24 09:58	1
o-Xylene	<0.900	U	0.900		mg/Kg		04/16/24 11:45	04/17/24 09:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:58*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/16/24 11:45*	*04/17/24 09:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.80	U	1.80		mg/Kg			04/17/24 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**243**		50.4		mg/Kg			04/16/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 19:48	1
Diesel Range Organics (Over C10-C28)	**243**		50.4		mg/Kg		04/16/24 09:18	04/16/24 19:48	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:18	04/16/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:48*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/16/24 09:18*	*04/16/24 19:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		5.00		mg/Kg			04/17/24 04:23	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-61
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-41
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:46	04/17/24 12:01	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399		mg/Kg		04/16/24 11:46	04/17/24 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:01*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**101**		49.6		mg/Kg			04/16/24 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		04/16/24 09:23	04/16/24 21:33	1
Diesel Range Organics (Over C10-C28)	**101**		49.6		mg/Kg		04/16/24 09:23	04/16/24 21:33	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		04/16/24 09:23	04/16/24 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/16/24 21:33*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/16/24 09:23*	*04/16/24 21:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**570**		5.00		mg/Kg			04/17/24 04:28	1

Client Sample ID: SW-62
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-42
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 12:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 12:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 12:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/16/24 11:46	04/17/24 12:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/16/24 11:46	04/17/24 12:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:22*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:22*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-62
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-42
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/17/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**60.0**		50.2		mg/Kg			04/16/24 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		04/16/24 09:23	04/16/24 22:36	1
Diesel Range Organics (Over C10-C28)	**60.0**		50.2		mg/Kg		04/16/24 09:23	04/16/24 22:36	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		04/16/24 09:23	04/16/24 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*04/16/24 09:23*	*04/16/24 22:36*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/16/24 09:23*	*04/16/24 22:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3440**		25.0		mg/Kg			04/17/24 04:32	5

Client Sample ID: SW-63
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-43
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/16/24 11:46	04/17/24 12:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/16/24 11:46	04/17/24 12:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:42*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/16/24 11:46*	*04/17/24 12:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/17/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**65.5**		49.7		mg/Kg			04/16/24 22:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		04/16/24 09:23	04/16/24 22:57	1
Diesel Range Organics (Over C10-C28)	**65.5**		49.7		mg/Kg		04/16/24 09:23	04/16/24 22:57	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-63
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		04/16/24 09:23	04/16/24 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/16/24 22:57*	*1*
o-Terphenyl	*113*		*70 - 130*	*04/16/24 09:23*	*04/16/24 22:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2440**	**F1**	25.0		mg/Kg			04/16/24 23:38	5

Client Sample ID: SW-64
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-44
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:46	04/17/24 13:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:46	04/17/24 13:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:03*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/16/24 23:18*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/16/24 09:23*	*04/16/24 23:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.0**		5.03		mg/Kg			04/16/24 23:52	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-65
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-45
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 13:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 13:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 13:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/16/24 11:46	04/17/24 13:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/16/24 11:46	04/17/24 13:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:23*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/17/24 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/16/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/16/24 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/16/24 23:39*	*1*
o-Terphenyl	*120*		*70 - 130*	*04/16/24 09:23*	*04/16/24 23:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		5.04		mg/Kg			04/16/24 23:57	1

Client Sample ID: SW-9A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-46
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 13:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 13:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:44*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*04/16/24 11:46*	*04/17/24 13:44*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-9A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-46
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			04/17/24 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			04/17/24 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		04/16/24 09:23	04/17/24 00:00	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		04/16/24 09:23	04/17/24 00:00	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		04/16/24 09:23	04/17/24 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*04/16/24 09:23*	*04/17/24 00:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/16/24 09:23*	*04/17/24 00:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.04		mg/Kg			04/17/24 00:02	1

Client Sample ID: SW-12A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-47
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 14:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/16/24 11:46	04/17/24 14:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/16/24 11:46	04/17/24 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:04*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/17/24 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**239**		50.1		mg/Kg			04/17/24 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:23	04/17/24 00:21	1
Diesel Range Organics (Over C10-C28)	**239**		50.1		mg/Kg		04/16/24 09:23	04/17/24 00:21	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-12A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:23	04/17/24 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 00:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*04/16/24 09:23*	*04/17/24 00:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7590**		50.4		mg/Kg			04/17/24 00:07	10

Client Sample ID: SW-13A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-48
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:46	04/17/24 14:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:46	04/17/24 14:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:46	04/17/24 14:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/16/24 11:46	04/17/24 14:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/16/24 11:46	04/17/24 14:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/16/24 11:46	04/17/24 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:25*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/17/24 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/17/24 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 00:42	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 00:42	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 00:42*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 00:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2890**		24.9		mg/Kg			04/17/24 00:21	5

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-14A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-49
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 14:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 14:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 14:45	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/16/24 11:46	04/17/24 14:45	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/16/24 11:46	04/17/24 14:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/16/24 11:46	04/17/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:45*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/16/24 11:46*	*04/17/24 14:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/17/24 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			04/17/24 01:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:23	04/17/24 01:03	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		04/16/24 09:23	04/17/24 01:03	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:23	04/17/24 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*04/16/24 09:23*	*04/17/24 01:03*	*1*
o-Terphenyl	*101*		*70 - 130*	*04/16/24 09:23*	*04/17/24 01:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1340**		25.0		mg/Kg			04/17/24 00:26	5

Client Sample ID: SW-39A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-50
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 15:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 15:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 15:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/16/24 11:46	04/17/24 15:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/16/24 11:46	04/17/24 15:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:46*	*04/17/24 15:06*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/16/24 11:46*	*04/17/24 15:06*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-39A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-50
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/17/24 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/17/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/17/24 01:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/17/24 01:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/17/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*04/16/24 09:23*	*04/17/24 01:25*	*1*
o-Terphenyl	*108*		*70 - 130*	*04/16/24 09:23*	*04/17/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		5.03		mg/Kg			04/17/24 00:31	1

Client Sample ID: SW-18A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-51
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 16:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 16:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 16:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/16/24 11:46	04/17/24 16:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/16/24 11:46	04/17/24 16:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/16/24 11:46	04/17/24 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*04/16/24 11:46*	*04/17/24 16:33*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/16/24 11:46*	*04/17/24 16:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/17/24 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/17/24 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:07	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-18A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-51
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/24 09:23*	*04/17/24 02:07*	*1*
o-Terphenyl	*104*		*70 - 130*	*04/16/24 09:23*	*04/17/24 02:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		4.98		mg/Kg			04/17/24 00:36	1

Client Sample ID: SW-23A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-53
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 17:15	1
Ethylbenzene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 17:15	1
Toluene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 17:15	1
Xylenes, Total	<1.80	U	1.80		mg/Kg		04/16/24 11:46	04/17/24 17:15	1
m-Xylene & p-Xylene	<1.80	U	1.80		mg/Kg		04/16/24 11:46	04/17/24 17:15	1
o-Xylene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:15*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.80	U	1.80		mg/Kg			04/17/24 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/17/24 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*04/16/24 09:23*	*04/17/24 02:49*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/16/24 09:23*	*04/17/24 02:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**135**	**F1**	5.01		mg/Kg			04/17/24 00:45	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-30A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-54
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:36	1
Ethylbenzene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:36	1
Toluene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:36	1
Xylenes, Total	<1.82	U	1.82		mg/Kg		04/16/24 11:46	04/17/24 17:36	1
m-Xylene & p-Xylene	<1.82	U	1.82		mg/Kg		04/16/24 11:46	04/17/24 17:36	1
o-Xylene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:36*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.82	U	1.82		mg/Kg			04/17/24 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			04/17/24 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/16/24 09:23	04/17/24 03:10	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/16/24 09:23	04/17/24 03:10	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/16/24 09:23	04/17/24 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 03:10*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/16/24 09:23*	*04/17/24 03:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		4.99		mg/Kg			04/17/24 01:00	1

Client Sample ID: SW-31A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-55
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:56	1
Ethylbenzene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:56	1
Toluene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:56	1
Xylenes, Total	<1.82	U	1.82		mg/Kg		04/16/24 11:46	04/17/24 17:56	1
m-Xylene & p-Xylene	<1.82	U	1.82		mg/Kg		04/16/24 11:46	04/17/24 17:56	1
o-Xylene	<0.909	U	0.909		mg/Kg		04/16/24 11:46	04/17/24 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:56*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*04/16/24 11:46*	*04/17/24 17:56*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-31A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-55
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.82	U	1.82		mg/Kg			04/17/24 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			04/17/24 03:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 03:31	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 03:31	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		04/16/24 09:23	04/17/24 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 03:31*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/16/24 09:23*	*04/17/24 03:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**486**		5.03		mg/Kg			04/17/24 01:05	1

Client Sample ID: SW-32A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-56
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 18:17	1
Ethylbenzene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 18:17	1
Toluene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 18:17	1
Xylenes, Total	<1.80	U	1.80		mg/Kg		04/16/24 11:46	04/17/24 18:17	1
m-Xylene & p-Xylene	<1.80	U	1.80		mg/Kg		04/16/24 11:46	04/17/24 18:17	1
o-Xylene	<0.902	U	0.902		mg/Kg		04/16/24 11:46	04/17/24 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:17*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.80	U	1.80		mg/Kg			04/17/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**75.8**		50.5		mg/Kg			04/17/24 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		04/16/24 09:23	04/17/24 03:52	1
Diesel Range Organics (Over C10-C28)	**75.8**		50.5		mg/Kg		04/16/24 09:23	04/17/24 03:52	1

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Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-32A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-56
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		04/16/24 09:23	04/17/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*154*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/17/24 03:52*	*1*
o-Terphenyl	*130*		*70 - 130*	*04/16/24 09:23*	*04/17/24 03:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3590**		49.5		mg/Kg			04/18/24 18:41	10

Client Sample ID: SW-36A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-57
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.905	U	0.905		mg/Kg		04/16/24 11:46	04/17/24 18:37	1
Ethylbenzene	<0.905	U	0.905		mg/Kg		04/16/24 11:46	04/17/24 18:37	1
Toluene	<0.905	U	0.905		mg/Kg		04/16/24 11:46	04/17/24 18:37	1
Xylenes, Total	<1.81	U	1.81		mg/Kg		04/16/24 11:46	04/17/24 18:37	1
m-Xylene & p-Xylene	<1.81	U	1.81		mg/Kg		04/16/24 11:46	04/17/24 18:37	1
o-Xylene	<0.905	U	0.905		mg/Kg		04/16/24 11:46	04/17/24 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:37*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.81	U	1.81		mg/Kg			04/17/24 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**281**		49.8		mg/Kg			04/17/24 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/16/24 09:23	04/17/24 04:13	1
Diesel Range Organics (Over C10-C28)	**281**		49.8		mg/Kg		04/16/24 09:23	04/17/24 04:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/16/24 09:23	04/17/24 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:13*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**772**		5.04		mg/Kg			04/17/24 01:24	1

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-37A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-58
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.913	U	0.913		mg/Kg		04/16/24 11:46	04/17/24 18:57	1
Ethylbenzene	<0.913	U	0.913		mg/Kg		04/16/24 11:46	04/17/24 18:57	1
Toluene	<0.913	U	0.913		mg/Kg		04/16/24 11:46	04/17/24 18:57	1
Xylenes, Total	<1.83	U	1.83		mg/Kg		04/16/24 11:46	04/17/24 18:57	1
m-Xylene & p-Xylene	<1.83	U	1.83		mg/Kg		04/16/24 11:46	04/17/24 18:57	1
o-Xylene	<0.913	U	0.913		mg/Kg		04/16/24 11:46	04/17/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:57*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*04/16/24 11:46*	*04/17/24 18:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.83	U	1.83		mg/Kg			04/17/24 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**513**		50.0		mg/Kg			04/17/24 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/17/24 04:34	1
Diesel Range Organics (Over C10-C28)	**513**		50.0		mg/Kg		04/16/24 09:23	04/17/24 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/17/24 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:34*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		4.96		mg/Kg			04/17/24 01:29	1

Client Sample ID: SW-38A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-59
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.916	U	0.916		mg/Kg		04/16/24 11:46	04/17/24 19:18	1
Ethylbenzene	<0.916	U	0.916		mg/Kg		04/16/24 11:46	04/17/24 19:18	1
Toluene	<0.916	U	0.916		mg/Kg		04/16/24 11:46	04/17/24 19:18	1
Xylenes, Total	<1.83	U	1.83		mg/Kg		04/16/24 11:46	04/17/24 19:18	1
m-Xylene & p-Xylene	<1.83	U	1.83		mg/Kg		04/16/24 11:46	04/17/24 19:18	1
o-Xylene	<0.916	U	0.916		mg/Kg		04/16/24 11:46	04/17/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*04/16/24 11:46*	*04/17/24 19:18*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*04/16/24 11:46*	*04/17/24 19:18*	*1*

Client Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-38A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-59
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<1.83	U	1.83		mg/Kg			04/17/24 19:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/17/24 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 04:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 04:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/16/24 09:23	04/17/24 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:55*	*1*
o-Terphenyl	*100*		*70 - 130*	*04/16/24 09:23*	*04/17/24 04:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		4.96		mg/Kg			04/17/24 01:34	1

Surrogate Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-42547-A-1-A MS	Matrix Spike	86	86
880-42547-A-1-B MSD	Matrix Spike Duplicate	106	93
890-6478-1	CS-20A	93	90
890-6478-1 MS	CS-20A	90	97
890-6478-1 MSD	CS-20A	84	93
890-6478-2	CS-21A	97	90
890-6478-3	CS-24A	94	83
890-6478-4	CS-28A	106	93
890-6478-5	CS-29A	106	85
890-6478-6	CS-33A	114	92
890-6478-6 MS	CS-33A	112	104
890-6478-6 MSD	CS-33A	113	103
890-6478-7	CS-34A	110	90
890-6478-8	CS-37A	114	91
890-6478-9	CS-42A	114	90
890-6478-10	CS-43A	117	93
890-6478-11	CS-47A	116	91
890-6478-12	CS-49A	116	93
890-6478-13	CS-57A	112	90
890-6478-14	CS-60A	114	91
890-6478-15	CS-61A	115	90
890-6478-16	CS-64A	111	91
890-6478-17	CS-65A	114	92
890-6478-18	CS-66A	113	90
890-6478-19	CS-79A	113	92
890-6478-20	CS-82A	115	91
890-6478-21	CS-98A	112	90
890-6478-21 MS	CS-98A	113	99
890-6478-21 MSD	CS-98A	113	102
890-6478-22	CS-99A	112	90
890-6478-23	CS-107	114	90
890-6478-24	CS-108	113	90
890-6478-25	CS-109	114	90
890-6478-26	CS-110	113	91
890-6478-27	SW-47	113	90
890-6478-28	SW-48	114	92
890-6478-29	SW-49	113	91
890-6478-30	SW-50	115	92
890-6478-31	SW-51	111	90
890-6478-32	SW-52	112	90
890-6478-33	SW-53	115	92
890-6478-34	SW-54	114	90
890-6478-35	SW-55	114	90
890-6478-36	SW-56	115	91
890-6478-37	SW-57	117	92
890-6478-38	SW-58	116	92
890-6478-39	SW-59	114	92
890-6478-40	SW-60	115	92
890-6478-41	SW-61	85	87

Surrogate Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-6478-41 MS	SW-61	123	96
890-6478-41 MSD	SW-61	118	127
890-6478-42	SW-62	99	89
890-6478-43	SW-63	100	84
890-6478-44	SW-64	100	90
890-6478-45	SW-65	85	94
890-6478-46	SW-9A	96	87
890-6478-47	SW-12A	93	77
890-6478-48	SW-13A	89	87
890-6478-49	SW-14A	93	80
890-6478-50	SW-39A	93	89
890-6478-51	SW-18A	79	97
890-6478-53	SW-23A	85	93
890-6478-54	SW-30A	84	95
890-6478-55	SW-31A	85	95
890-6478-56	SW-32A	88	84
890-6478-57	SW-36A	94	80
890-6478-58	SW-37A	82	75
890-6478-59	SW-38A	82	80
LCS 880-78381/1-A	Lab Control Sample	97	102
LCS 880-78382/1-A	Lab Control Sample	110	95
LCS 880-78383/1-A	Lab Control Sample	114	94
LCS 880-78476/1-A	Lab Control Sample	112	102
LCS 880-78968/1-A	Lab Control Sample	84	91
LCSD 880-78381/2-A	Lab Control Sample Dup	102	105
LCSD 880-78382/2-A	Lab Control Sample Dup	111	100
LCSD 880-78383/2-A	Lab Control Sample Dup	123	126
LCSD 880-78476/2-A	Lab Control Sample Dup	112	103
LCSD 880-78968/2-A	Lab Control Sample Dup	94	97
MB 880-78365/5-A	Method Blank	113	89
MB 880-78381/5-A	Method Blank	61 S1-	85
MB 880-78382/5-A	Method Blank	109	87
MB 880-78383/5-A	Method Blank	80	93
MB 880-78476/5-A	Method Blank	112	88
MB 880-78478/5-A	Method Blank	112	88
MB 880-78968/5-A	Method Blank	159 S1+	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
890-6478-1	CS-20A	110	92
890-6478-1 MS	CS-20A	131 S1+	100
890-6478-1 MSD	CS-20A	118	88
890-6478-2	CS-21A	116	93

Surrogate Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-6478-3	CS-24A	108	89								
890-6478-4	CS-28A	137 S1+	115								
890-6478-5	CS-29A	107	91								
890-6478-6	CS-33A	101	84								
890-6478-7	CS-34A	126	104								
890-6478-8	CS-37A	119	94								
890-6478-9	CS-42A	126	106								
890-6478-10	CS-43A	148 S1+	120								
890-6478-11	CS-47A	129	108								
890-6478-12	CS-49A	118	99								
890-6478-13	CS-57A	144 S1+	123								
890-6478-14	CS-60A	137 S1+	114								
890-6478-15	CS-61A	140 S1+	111								
890-6478-16	CS-64A	133 S1+	107								
890-6478-17	CS-65A	141 S1+	117								
890-6478-18	CS-66A	125	105								
890-6478-19	CS-79A	126	104								
890-6478-20	CS-82A	125	107								
890-6478-21	CS-98A	105	111								
890-6478-21 MS	CS-98A	104	100								
890-6478-21 MSD	CS-98A	108	103								
890-6478-22	CS-99A	89	91								
890-6478-23	CS-107	102	107								
890-6478-24	CS-108	70	70								
890-6478-25	CS-109	100	104								
890-6478-26	CS-110	49 S1-	47 S1-								
890-6478-27	SW-47	64 S1-	65 S1-								
890-6478-28	SW-48	97	102								
890-6478-29	SW-49	83	88								
890-6478-30	SW-50	111	119								
890-6478-31	SW-51	89	92								
890-6478-32	SW-52	105	109								
890-6478-33	SW-53	104	110								
890-6478-34	SW-54	114	118								
890-6478-35	SW-55	117	119								
890-6478-36	SW-56	110	118								
890-6478-37	SW-57	127	123								
890-6478-38	SW-58	118	113								
890-6478-39	SW-59	120	114								
890-6478-40	SW-60	114	110								
890-6478-41	SW-61	131 S1+	106								
890-6478-41 MS	SW-61	127	96								
890-6478-41 MSD	SW-61	125	97								
890-6478-42	SW-62	128	109								
890-6478-43	SW-63	134 S1+	113								
890-6478-44	SW-64	137 S1+	114								
890-6478-45	SW-65	144 S1+	120								
890-6478-46	SW-9A	121	102								
890-6478-47	SW-12A	136 S1+	110								
890-6478-48	SW-13A	158 S1+	133 S1+								

Surrogate Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-6478-49	SW-14A	120	101								
890-6478-50	SW-39A	130	108								
890-6478-51	SW-18A	125	104								
890-6478-53	SW-23A	126	107								
890-6478-54	SW-30A	133 S1+	109								
890-6478-55	SW-31A	134 S1+	109								
890-6478-56	SW-32A	154 S1+	130								
890-6478-57	SW-36A	128	106								
890-6478-58	SW-37A	125	107								
890-6478-59	SW-38A	119	100								
LCS 880-78360/2-A	Lab Control Sample	117	121								
LCS 880-78362/2-A	Lab Control Sample	98	110								
LCS 880-78364/2-A	Lab Control Sample	92	96								
LCSD 880-78360/3-A	Lab Control Sample Dup	117	117								
LCSD 880-78362/3-A	Lab Control Sample Dup	100	113								
LCSD 880-78364/3-A	Lab Control Sample Dup	100	100								
MB 880-78360/1-A	Method Blank	128	112								
MB 880-78362/1-A	Method Blank	95	108								
MB 880-78364/1-A	Method Blank	151 S1+	125								

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-78365/5-A
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 10:08	04/16/24 15:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 10:08	04/16/24 15:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 10:08	04/16/24 15:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 10:08	04/16/24 15:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 10:08	04/16/24 15:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 10:08	04/16/24 15:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*04/16/24 10:08*	*04/16/24 15:01*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/16/24 10:08*	*04/16/24 15:01*	*1*

Lab Sample ID: MB 880-78381/5-A
Matrix: Solid
Analysis Batch: 77572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 15:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 15:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 15:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:43	04/16/24 15:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:43	04/16/24 15:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:43	04/16/24 15:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*04/16/24 11:43*	*04/16/24 15:47*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/16/24 11:43*	*04/16/24 15:47*	*1*

Lab Sample ID: LCS 880-78381/1-A
Matrix: Solid
Analysis Batch: 77572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09173		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09486		mg/Kg		95	70 - 130
Toluene	0.100	0.08771		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1947		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09552		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-78381/2-A
Matrix: Solid
Analysis Batch: 77572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78381

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09782		mg/Kg		98	70 - 130	6	35

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QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-78381/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77572 — **Prep Batch: 78381**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.1037		mg/Kg		104	70 - 130	9	35
Toluene			0.100	0.1044		mg/Kg		104	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.2103		mg/Kg		105	70 - 130	8	35
o-Xylene			0.100	0.1045		mg/Kg		104	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-6478-1 MS — **Client Sample ID: CS-20A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77572 — **Prep Batch: 78381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09215		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09421		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09504		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1930		mg/Kg		96	70 - 130
o-Xylene	<0.00200	U	0.100	0.09550		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-6478-1 MSD — **Client Sample ID: CS-20A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77572 — **Prep Batch: 78381**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08174		mg/Kg		81	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.08646		mg/Kg		86	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08663		mg/Kg		87	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1780		mg/Kg		89	70 - 130	8	35
o-Xylene	<0.00200	U	0.100	0.08937		mg/Kg		89	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: MB 880-78382/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78320 — **Prep Batch: 78382**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 01:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 01:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 01:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:45	04/17/24 01:55	1

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: MB 880-78382/5-A
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:45	04/17/24 01:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:45	04/17/24 01:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*04/16/24 11:45*	*04/17/24 01:55*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*04/16/24 11:45*	*04/17/24 01:55*	*1*

Lab Sample ID: LCS 880-78382/1-A
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78382

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1030		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.09643		mg/Kg		96	70 - 130		
Toluene			0.100	0.09772		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.1947		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09871		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-78382/2-A
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78382

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1093		mg/Kg		109	70 - 130	6	35
Ethylbenzene			0.100	0.1040		mg/Kg		104	70 - 130	8	35
Toluene			0.100	0.1035		mg/Kg		104	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2093		mg/Kg		105	70 - 130	7	35
o-Xylene			0.100	0.1050		mg/Kg		105	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-6478-21 MS
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: CS-98A
Prep Type: Total/NA
Prep Batch: 78382

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09498		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09639		mg/Kg		96	70 - 130		
Toluene	<0.00200	U	0.100	0.09224		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1943		mg/Kg		97	70 - 130		
o-Xylene	<0.00200	U	0.100	0.09571		mg/Kg		96	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: 890-6478-21 MS
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: CS-98A
Prep Type: Total/NA
Prep Batch: 78382

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-6478-21 MSD
Matrix: Solid
Analysis Batch: 78320

Client Sample ID: CS-98A
Prep Type: Total/NA
Prep Batch: 78382

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1045		mg/Kg		104	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.1054		mg/Kg		105	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.1009		mg/Kg		101	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2121		mg/Kg		106	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.1047		mg/Kg		105	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-78383/5-A
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/16/24 11:46	04/17/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/16/24 11:46	04/17/24 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	04/16/24 11:46	04/17/24 11:40	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/16/24 11:46	04/17/24 11:40	1

Lab Sample ID: LCS 880-78383/1-A
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78383

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09451		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1283		mg/Kg		128	70 - 130
Toluene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2587		mg/Kg		129	70 - 130
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: LCS 880-78383/1-A
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78383

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-78383/2-A
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78383

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09692		mg/Kg		97	70 - 130	3	35
Ethylbenzene			0.100	0.1182		mg/Kg		118	70 - 130	8	35
Toluene			0.100	0.1011		mg/Kg		101	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.2404		mg/Kg		120	70 - 130	7	35
o-Xylene			0.100	0.1171		mg/Kg		117	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	126		70 - 130

Lab Sample ID: 890-6478-41 MS
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: SW-61
Prep Type: Total/NA
Prep Batch: 78383

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.09112		mg/Kg		91	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1067		mg/Kg		107	70 - 130		
Toluene	<0.00200	U	0.100	0.09339		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1543		mg/Kg		77	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1064		mg/Kg		106	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-6478-41 MSD
Matrix: Solid
Analysis Batch: 78438

Client Sample ID: SW-61
Prep Type: Total/NA
Prep Batch: 78383

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08756		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.09459		mg/Kg		95	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.08460		mg/Kg		85	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1186	F1	mg/Kg		59	70 - 130	26	35
o-Xylene	<0.00200	U	0.100	0.09024		mg/Kg		90	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: MB 880-78476/5-A
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 00:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 00:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 00:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/24 11:06	04/18/24 00:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/17/24 11:06	04/18/24 00:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:06	04/18/24 00:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/17/24 11:06*	*04/18/24 00:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/17/24 11:06*	*04/18/24 00:57*	*1*

Lab Sample ID: LCS 880-78476/1-A
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1069		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1044		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-78476/2-A
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1107		mg/Kg		111	70 - 130	3	35
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130	3	35
Toluene	0.100	0.1045		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2118		mg/Kg		106	70 - 130	3	35
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-6478-6 MS
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: CS-33A
Prep Type: Total/NA
Prep Batch: 78476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1165		mg/Kg		116	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1117		mg/Kg		111	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: 890-6478-6 MS
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: CS-33A
Prep Type: Total/NA
Prep Batch: 78476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00199	U	0.101	0.1110		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2244		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U	0.101	0.1123		mg/Kg		111	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-6478-6 MSD
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: CS-33A
Prep Type: Total/NA
Prep Batch: 78476

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0998	0.1107		mg/Kg		111	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0998	0.1057		mg/Kg		106	70 - 130	5	35
Toluene	<0.00199	U	0.0998	0.1049		mg/Kg		105	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2134		mg/Kg		107	70 - 130	5	35
o-Xylene	<0.00199	U	0.0998	0.1075		mg/Kg		108	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 880-78478/5-A
Matrix: Solid
Analysis Batch: 78472

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:11	04/17/24 14:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:11	04/17/24 14:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:11	04/17/24 14:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/17/24 11:11	04/17/24 14:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/17/24 11:11	04/17/24 14:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/17/24 11:11	04/17/24 14:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*04/17/24 11:11*	*04/17/24 14:02*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/17/24 11:11*	*04/17/24 14:02*	*1*

Lab Sample ID: MB 880-78968/5-A
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/22/24 15:28	04/23/24 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/22/24 15:28	04/23/24 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/22/24 15:28	04/23/24 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/22/24 15:28	04/23/24 11:48	1

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: MB 880-78968/5-A
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/22/24 15:28	04/23/24 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/22/24 15:28	04/23/24 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*04/22/24 15:28*	*04/23/24 11:48*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*04/22/24 15:28*	*04/23/24 11:48*	*1*

Lab Sample ID: LCS 880-78968/1-A
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78968

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08414		mg/Kg		84	70 - 130		
Ethylbenzene			0.100	0.07798		mg/Kg		78	70 - 130		
Toluene			0.100	0.08229		mg/Kg		82	70 - 130		
m-Xylene & p-Xylene			0.200	0.1597		mg/Kg		80	70 - 130		
o-Xylene			0.100	0.07910		mg/Kg		79	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-78968/2-A
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78968

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08932		mg/Kg		89	70 - 130	6	35
Ethylbenzene			0.100	0.08346		mg/Kg		83	70 - 130	7	35
Toluene			0.100	0.08941		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1714		mg/Kg		86	70 - 130	7	35
o-Xylene			0.100	0.08456		mg/Kg		85	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-42547-A-1-A MS
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 78968

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.100	0.06691	F1	mg/Kg		66	70 - 130		
Ethylbenzene	<0.00199	U F1	0.100	0.05738	F1	mg/Kg		57	70 - 130		
Toluene	<0.00199	U F1	0.100	0.06600	F1	mg/Kg		64	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1128	F1	mg/Kg		56	70 - 130		
o-Xylene	<0.00199	U F1	0.100	0.05695	F1	mg/Kg		57	70 - 130		

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: 880-42547-A-1-A MS
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 78968

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

Lab Sample ID: 880-42547-A-1-B MSD
Matrix: Solid
Analysis Batch: 79014

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 78968

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07422		mg/Kg		74	70 - 130	10	35
Ethylbenzene	<0.00199	U F1	0.100	0.06048	F1	mg/Kg		60	70 - 130	5	35
Toluene	<0.00199	U F1	0.100	0.06782	F1	mg/Kg		66	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1183	F1	mg/Kg		59	70 - 130	5	35
o-Xylene	<0.00199	U F1	0.100	0.06004	F1	mg/Kg		60	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-78360/1-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 09:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 09:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:15	04/16/24 09:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	04/16/24 09:15	04/16/24 09:17	1
o-Terphenyl	112		70 - 130	04/16/24 09:15	04/16/24 09:17	1

Lab Sample ID: LCS 880-78360/2-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78360

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1157		mg/Kg		116	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	121		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-78360/3-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78360

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1164		mg/Kg		116	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	1136		mg/Kg		114	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 890-6478-1 MS
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: CS-20A
Prep Type: Total/NA
Prep Batch: 78360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1010	913.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	1087		mg/Kg		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*131*	*S1+*	*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 890-6478-1 MSD
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: CS-20A
Prep Type: Total/NA
Prep Batch: 78360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1010	1264	F2	mg/Kg		124	70 - 130	32	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	984.5		mg/Kg		95	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: MB 880-78362/1-A
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 08:00	04/16/24 09:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 08:00	04/16/24 09:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 08:00	04/16/24 09:17	1

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: MB 880-78362/1-A
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78362

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/16/24 08:00	04/16/24 09:17	1
o-Terphenyl	108		70 - 130	04/16/24 08:00	04/16/24 09:17	1

Lab Sample ID: LCS 880-78362/2-A
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78362

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1165		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1035		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-78362/3-A
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78362

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1160		mg/Kg		116	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-6478-21 MS
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: CS-98A
Prep Type: Total/NA
Prep Batch: 78362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1128		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	847.2		mg/Kg		80	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: 890-6478-21 MSD
Matrix: Solid
Analysis Batch: 78313

Client Sample ID: CS-98A
Prep Type: Total/NA
Prep Batch: 78362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1172		mg/Kg		114	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	881.1		mg/Kg		83	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: MB 880-78364/1-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/16/24 20:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/16/24 20:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/16/24 09:23	04/16/24 20:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*04/16/24 09:23*	*04/16/24 20:30*	*1*
o-Terphenyl	*125*		*70 - 130*	*04/16/24 09:23*	*04/16/24 20:30*	*1*

Lab Sample ID: LCS 880-78364/2-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	941.1		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	916.6		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: LCSD 880-78364/3-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	936.7		mg/Kg		94	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	983.6		mg/Kg		98	70 - 130	7	20

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-78364/3-A
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78364

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-6478-41 MS
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: SW-61
Prep Type: Total/NA
Prep Batch: 78364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	885.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	101		1010	1083		mg/Kg		97	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-6478-41 MSD
Matrix: Solid
Analysis Batch: 78311

Client Sample ID: SW-61
Prep Type: Total/NA
Prep Batch: 78364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	845.8		mg/Kg		80	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	101		1010	1084		mg/Kg		97	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78368/1-A
Matrix: Solid
Analysis Batch: 78400

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/16/24 17:45	1

Lab Sample ID: LCS 880-78368/2-A
Matrix: Solid
Analysis Batch: 78400

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.1		mg/Kg		102	90 - 110		

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-78368/3-A
Matrix: Solid
Analysis Batch: 78400

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	254.9		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-42229-A-7-F MS
Matrix: Solid
Analysis Batch: 78400

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.30		248	264.1		mg/Kg		104	90 - 110

Lab Sample ID: 880-42229-A-7-G MSD
Matrix: Solid
Analysis Batch: 78400

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.30		248	264.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-78294/1-A
Matrix: Solid
Analysis Batch: 78403

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/16/24 21:49	1

Lab Sample ID: LCS 880-78294/2-A
Matrix: Solid
Analysis Batch: 78403

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	243.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-78294/3-A
Matrix: Solid
Analysis Batch: 78403

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	244.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-42168-A-121-F MS
Matrix: Solid
Analysis Batch: 78403

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1250		250	1430	4	mg/Kg		71	90 - 110

Lab Sample ID: 880-42168-A-121-G MSD
Matrix: Solid
Analysis Batch: 78403

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1250		250	1429	4	mg/Kg		71	90 - 110	0	20

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-42168-A-131-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1380		1240	2712		mg/Kg		107	90 - 110

Lab Sample ID: 880-42168-A-131-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1380		1240	2709		mg/Kg		107	90 - 110	0	20

Lab Sample ID: MB 880-78296/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/17/24 02:08	1

Lab Sample ID: LCS 880-78296/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-78296/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.6		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-6478-23 MS — **Client Sample ID: CS-107**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	52.7		249	323.5		mg/Kg		109	90 - 110

Lab Sample ID: 890-6478-23 MSD — **Client Sample ID: CS-107**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	52.7		249	324.3		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-6478-33 MS — **Client Sample ID: SW-53**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3660	F1	1250	5326	F1	mg/Kg		133	90 - 110

QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6478-33 MSD — **Client Sample ID: SW-53**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3660	F1	1250	5325	F1	mg/Kg		133	90 - 110	0	20

Lab Sample ID: MB 880-78297/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/16/24 23:23	1

Lab Sample ID: LCS 880-78297/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-78297/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-6478-43 MS — **Client Sample ID: SW-63**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2440	F1	1250	3967	F1	mg/Kg		123	90 - 110

Lab Sample ID: 890-6478-43 MSD — **Client Sample ID: SW-63**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2440	F1	1250	3978	F1	mg/Kg		124	90 - 110	0	20

Lab Sample ID: 890-6478-53 MS — **Client Sample ID: SW-23A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	135	F1	251	526.8	F1	mg/Kg		157	90 - 110

Lab Sample ID: 890-6478-53 MSD — **Client Sample ID: SW-23A**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 78423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	135	F1	251	527.5	F1	mg/Kg		157	90 - 110	0	20

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QC Sample Results

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-78414/1-A
Matrix: Solid
Analysis Batch: 78461

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/17/24 14:00	1

Lab Sample ID: LCS 880-78414/2-A
Matrix: Solid
Analysis Batch: 78461

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.9		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-78414/3-A
Matrix: Solid
Analysis Batch: 78461

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	240.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-42238-A-11-B MS
Matrix: Solid
Analysis Batch: 78461

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1280		1260	2562		mg/Kg		102	90 - 110		

Lab Sample ID: 880-42238-A-11-C MSD
Matrix: Solid
Analysis Batch: 78461

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1280		1260	2565		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA

Analysis Batch: 77572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	8021B	78381
890-6478-2	CS-21A	Total/NA	Solid	8021B	78381
890-6478-3	CS-24A	Total/NA	Solid	8021B	78381
890-6478-4	CS-28A	Total/NA	Solid	8021B	78381
MB 880-78381/5-A	Method Blank	Total/NA	Solid	8021B	78381
LCS 880-78381/1-A	Lab Control Sample	Total/NA	Solid	8021B	78381
LCSD 880-78381/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78381
890-6478-1 MS	CS-20A	Total/NA	Solid	8021B	78381
890-6478-1 MSD	CS-20A	Total/NA	Solid	8021B	78381

Analysis Batch: 78320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-21	CS-98A	Total/NA	Solid	8021B	78382
890-6478-22	CS-99A	Total/NA	Solid	8021B	78382
890-6478-23	CS-107	Total/NA	Solid	8021B	78382
890-6478-24	CS-108	Total/NA	Solid	8021B	78382
890-6478-25	CS-109	Total/NA	Solid	8021B	78382
890-6478-26	CS-110	Total/NA	Solid	8021B	78382
890-6478-27	SW-47	Total/NA	Solid	8021B	78382
890-6478-28	SW-48	Total/NA	Solid	8021B	78382
890-6478-29	SW-49	Total/NA	Solid	8021B	78382
890-6478-30	SW-50	Total/NA	Solid	8021B	78382
890-6478-31	SW-51	Total/NA	Solid	8021B	78382
890-6478-32	SW-52	Total/NA	Solid	8021B	78382
890-6478-33	SW-53	Total/NA	Solid	8021B	78382
890-6478-34	SW-54	Total/NA	Solid	8021B	78382
890-6478-35	SW-55	Total/NA	Solid	8021B	78382
890-6478-36	SW-56	Total/NA	Solid	8021B	78382
890-6478-37	SW-57	Total/NA	Solid	8021B	78382
890-6478-38	SW-58	Total/NA	Solid	8021B	78382
890-6478-39	SW-59	Total/NA	Solid	8021B	78382
890-6478-40	SW-60	Total/NA	Solid	8021B	78382
MB 880-78365/5-A	Method Blank	Total/NA	Solid	8021B	78365
MB 880-78382/5-A	Method Blank	Total/NA	Solid	8021B	78382
LCS 880-78382/1-A	Lab Control Sample	Total/NA	Solid	8021B	78382
LCSD 880-78382/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78382
890-6478-21 MS	CS-98A	Total/NA	Solid	8021B	78382
890-6478-21 MSD	CS-98A	Total/NA	Solid	8021B	78382

Prep Batch: 78365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78365/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 78381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	5035	
890-6478-2	CS-21A	Total/NA	Solid	5035	
890-6478-3	CS-24A	Total/NA	Solid	5035	
890-6478-4	CS-28A	Total/NA	Solid	5035	
MB 880-78381/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78381/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA (Continued)

Prep Batch: 78381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-78381/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6478-1 MS	CS-20A	Total/NA	Solid	5035	
890-6478-1 MSD	CS-20A	Total/NA	Solid	5035	

Prep Batch: 78382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-21	CS-98A	Total/NA	Solid	5035	
890-6478-22	CS-99A	Total/NA	Solid	5035	
890-6478-23	CS-107	Total/NA	Solid	5035	
890-6478-24	CS-108	Total/NA	Solid	5035	
890-6478-25	CS-109	Total/NA	Solid	5035	
890-6478-26	CS-110	Total/NA	Solid	5035	
890-6478-27	SW-47	Total/NA	Solid	5035	
890-6478-28	SW-48	Total/NA	Solid	5035	
890-6478-29	SW-49	Total/NA	Solid	5035	
890-6478-30	SW-50	Total/NA	Solid	5035	
890-6478-31	SW-51	Total/NA	Solid	5035	
890-6478-32	SW-52	Total/NA	Solid	5035	
890-6478-33	SW-53	Total/NA	Solid	5035	
890-6478-34	SW-54	Total/NA	Solid	5035	
890-6478-35	SW-55	Total/NA	Solid	5035	
890-6478-36	SW-56	Total/NA	Solid	5035	
890-6478-37	SW-57	Total/NA	Solid	5035	
890-6478-38	SW-58	Total/NA	Solid	5035	
890-6478-39	SW-59	Total/NA	Solid	5035	
890-6478-40	SW-60	Total/NA	Solid	5035	
MB 880-78382/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78382/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78382/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6478-21 MS	CS-98A	Total/NA	Solid	5035	
890-6478-21 MSD	CS-98A	Total/NA	Solid	5035	

Prep Batch: 78383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-41	SW-61	Total/NA	Solid	5035	
890-6478-42	SW-62	Total/NA	Solid	5035	
890-6478-43	SW-63	Total/NA	Solid	5035	
890-6478-44	SW-64	Total/NA	Solid	5035	
890-6478-45	SW-65	Total/NA	Solid	5035	
890-6478-46	SW-9A	Total/NA	Solid	5035	
890-6478-47	SW-12A	Total/NA	Solid	5035	
890-6478-48	SW-13A	Total/NA	Solid	5035	
890-6478-49	SW-14A	Total/NA	Solid	5035	
890-6478-50	SW-39A	Total/NA	Solid	5035	
890-6478-51	SW-18A	Total/NA	Solid	5035	
890-6478-53	SW-23A	Total/NA	Solid	5035	
890-6478-54	SW-30A	Total/NA	Solid	5035	
890-6478-55	SW-31A	Total/NA	Solid	5035	
890-6478-56	SW-32A	Total/NA	Solid	5035	
890-6478-57	SW-36A	Total/NA	Solid	5035	
890-6478-58	SW-37A	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA (Continued)

Prep Batch: 78383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-59	SW-38A	Total/NA	Solid	5035	
MB 880-78383/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78383/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78383/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6478-41 MS	SW-61	Total/NA	Solid	5035	
890-6478-41 MSD	SW-61	Total/NA	Solid	5035	

Analysis Batch: 78438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-41	SW-61	Total/NA	Solid	8021B	78383
890-6478-42	SW-62	Total/NA	Solid	8021B	78383
890-6478-43	SW-63	Total/NA	Solid	8021B	78383
890-6478-44	SW-64	Total/NA	Solid	8021B	78383
890-6478-45	SW-65	Total/NA	Solid	8021B	78383
890-6478-46	SW-9A	Total/NA	Solid	8021B	78383
890-6478-47	SW-12A	Total/NA	Solid	8021B	78383
890-6478-48	SW-13A	Total/NA	Solid	8021B	78383
890-6478-49	SW-14A	Total/NA	Solid	8021B	78383
890-6478-50	SW-39A	Total/NA	Solid	8021B	78383
890-6478-51	SW-18A	Total/NA	Solid	8021B	78383
890-6478-53	SW-23A	Total/NA	Solid	8021B	78383
890-6478-54	SW-30A	Total/NA	Solid	8021B	78383
890-6478-55	SW-31A	Total/NA	Solid	8021B	78383
890-6478-56	SW-32A	Total/NA	Solid	8021B	78383
890-6478-57	SW-36A	Total/NA	Solid	8021B	78383
890-6478-58	SW-37A	Total/NA	Solid	8021B	78383
890-6478-59	SW-38A	Total/NA	Solid	8021B	78383
MB 880-78383/5-A	Method Blank	Total/NA	Solid	8021B	78383
LCS 880-78383/1-A	Lab Control Sample	Total/NA	Solid	8021B	78383
LCSD 880-78383/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78383
890-6478-41 MS	SW-61	Total/NA	Solid	8021B	78383
890-6478-41 MSD	SW-61	Total/NA	Solid	8021B	78383

Analysis Batch: 78472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-6	CS-33A	Total/NA	Solid	8021B	78476
890-6478-7	CS-34A	Total/NA	Solid	8021B	78476
890-6478-8	CS-37A	Total/NA	Solid	8021B	78476
890-6478-9	CS-42A	Total/NA	Solid	8021B	78476
890-6478-10	CS-43A	Total/NA	Solid	8021B	78476
890-6478-11	CS-47A	Total/NA	Solid	8021B	78476
890-6478-12	CS-49A	Total/NA	Solid	8021B	78476
890-6478-13	CS-57A	Total/NA	Solid	8021B	78476
890-6478-14	CS-60A	Total/NA	Solid	8021B	78476
890-6478-15	CS-61A	Total/NA	Solid	8021B	78476
890-6478-16	CS-64A	Total/NA	Solid	8021B	78476
890-6478-17	CS-65A	Total/NA	Solid	8021B	78476
890-6478-18	CS-66A	Total/NA	Solid	8021B	78476
890-6478-19	CS-79A	Total/NA	Solid	8021B	78476
890-6478-20	CS-82A	Total/NA	Solid	8021B	78476
MB 880-78476/5-A	Method Blank	Total/NA	Solid	8021B	78476

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 78472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78478/5-A	Method Blank	Total/NA	Solid	8021B	78478
LCS 880-78476/1-A	Lab Control Sample	Total/NA	Solid	8021B	78476
LCSD 880-78476/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78476
890-6478-6 MS	CS-33A	Total/NA	Solid	8021B	78476
890-6478-6 MSD	CS-33A	Total/NA	Solid	8021B	78476

Prep Batch: 78476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-6	CS-33A	Total/NA	Solid	5035	
890-6478-7	CS-34A	Total/NA	Solid	5035	
890-6478-8	CS-37A	Total/NA	Solid	5035	
890-6478-9	CS-42A	Total/NA	Solid	5035	
890-6478-10	CS-43A	Total/NA	Solid	5035	
890-6478-11	CS-47A	Total/NA	Solid	5035	
890-6478-12	CS-49A	Total/NA	Solid	5035	
890-6478-13	CS-57A	Total/NA	Solid	5035	
890-6478-14	CS-60A	Total/NA	Solid	5035	
890-6478-15	CS-61A	Total/NA	Solid	5035	
890-6478-16	CS-64A	Total/NA	Solid	5035	
890-6478-17	CS-65A	Total/NA	Solid	5035	
890-6478-18	CS-66A	Total/NA	Solid	5035	
890-6478-19	CS-79A	Total/NA	Solid	5035	
890-6478-20	CS-82A	Total/NA	Solid	5035	
MB 880-78476/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78476/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78476/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6478-6 MS	CS-33A	Total/NA	Solid	5035	
890-6478-6 MSD	CS-33A	Total/NA	Solid	5035	

Prep Batch: 78478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-78478/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 78481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	Total BTEX	
890-6478-2	CS-21A	Total/NA	Solid	Total BTEX	
890-6478-3	CS-24A	Total/NA	Solid	Total BTEX	
890-6478-4	CS-28A	Total/NA	Solid	Total BTEX	
890-6478-5	CS-29A	Total/NA	Solid	Total BTEX	
890-6478-6	CS-33A	Total/NA	Solid	Total BTEX	
890-6478-7	CS-34A	Total/NA	Solid	Total BTEX	
890-6478-8	CS-37A	Total/NA	Solid	Total BTEX	
890-6478-9	CS-42A	Total/NA	Solid	Total BTEX	
890-6478-10	CS-43A	Total/NA	Solid	Total BTEX	
890-6478-11	CS-47A	Total/NA	Solid	Total BTEX	
890-6478-12	CS-49A	Total/NA	Solid	Total BTEX	
890-6478-13	CS-57A	Total/NA	Solid	Total BTEX	
890-6478-14	CS-60A	Total/NA	Solid	Total BTEX	
890-6478-15	CS-61A	Total/NA	Solid	Total BTEX	
890-6478-16	CS-64A	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 78481 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-17	CS-65A	Total/NA	Solid	Total BTEX	
890-6478-18	CS-66A	Total/NA	Solid	Total BTEX	
890-6478-19	CS-79A	Total/NA	Solid	Total BTEX	
890-6478-20	CS-82A	Total/NA	Solid	Total BTEX	
890-6478-21	CS-98A	Total/NA	Solid	Total BTEX	
890-6478-22	CS-99A	Total/NA	Solid	Total BTEX	
890-6478-23	CS-107	Total/NA	Solid	Total BTEX	
890-6478-24	CS-108	Total/NA	Solid	Total BTEX	
890-6478-25	CS-109	Total/NA	Solid	Total BTEX	
890-6478-26	CS-110	Total/NA	Solid	Total BTEX	
890-6478-27	SW-47	Total/NA	Solid	Total BTEX	
890-6478-28	SW-48	Total/NA	Solid	Total BTEX	
890-6478-29	SW-49	Total/NA	Solid	Total BTEX	
890-6478-30	SW-50	Total/NA	Solid	Total BTEX	
890-6478-31	SW-51	Total/NA	Solid	Total BTEX	
890-6478-32	SW-52	Total/NA	Solid	Total BTEX	
890-6478-33	SW-53	Total/NA	Solid	Total BTEX	
890-6478-34	SW-54	Total/NA	Solid	Total BTEX	
890-6478-35	SW-55	Total/NA	Solid	Total BTEX	
890-6478-36	SW-56	Total/NA	Solid	Total BTEX	
890-6478-37	SW-57	Total/NA	Solid	Total BTEX	
890-6478-38	SW-58	Total/NA	Solid	Total BTEX	
890-6478-39	SW-59	Total/NA	Solid	Total BTEX	
890-6478-40	SW-60	Total/NA	Solid	Total BTEX	
890-6478-41	SW-61	Total/NA	Solid	Total BTEX	
890-6478-42	SW-62	Total/NA	Solid	Total BTEX	
890-6478-43	SW-63	Total/NA	Solid	Total BTEX	
890-6478-44	SW-64	Total/NA	Solid	Total BTEX	
890-6478-45	SW-65	Total/NA	Solid	Total BTEX	
890-6478-46	SW-9A	Total/NA	Solid	Total BTEX	
890-6478-47	SW-12A	Total/NA	Solid	Total BTEX	
890-6478-48	SW-13A	Total/NA	Solid	Total BTEX	
890-6478-49	SW-14A	Total/NA	Solid	Total BTEX	
890-6478-50	SW-39A	Total/NA	Solid	Total BTEX	
890-6478-51	SW-18A	Total/NA	Solid	Total BTEX	
890-6478-53	SW-23A	Total/NA	Solid	Total BTEX	
890-6478-54	SW-30A	Total/NA	Solid	Total BTEX	
890-6478-55	SW-31A	Total/NA	Solid	Total BTEX	
890-6478-56	SW-32A	Total/NA	Solid	Total BTEX	
890-6478-57	SW-36A	Total/NA	Solid	Total BTEX	
890-6478-58	SW-37A	Total/NA	Solid	Total BTEX	
890-6478-59	SW-38A	Total/NA	Solid	Total BTEX	

Prep Batch: 78968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-5	CS-29A	Total/NA	Solid	5035	
MB 880-78968/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-78968/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-78968/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-42547-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-42547-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC VOA

Analysis Batch: 79014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-5	CS-29A	Total/NA	Solid	8021B	78968
MB 880-78968/5-A	Method Blank	Total/NA	Solid	8021B	78968
LCS 880-78968/1-A	Lab Control Sample	Total/NA	Solid	8021B	78968
LCSD 880-78968/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	78968
880-42547-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	78968
880-42547-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	78968

GC Semi VOA

Analysis Batch: 78311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	8015B NM	78360
890-6478-2	CS-21A	Total/NA	Solid	8015B NM	78360
890-6478-3	CS-24A	Total/NA	Solid	8015B NM	78360
890-6478-4	CS-28A	Total/NA	Solid	8015B NM	78360
890-6478-5	CS-29A	Total/NA	Solid	8015B NM	78360
890-6478-6	CS-33A	Total/NA	Solid	8015B NM	78360
890-6478-7	CS-34A	Total/NA	Solid	8015B NM	78360
890-6478-8	CS-37A	Total/NA	Solid	8015B NM	78360
890-6478-9	CS-42A	Total/NA	Solid	8015B NM	78360
890-6478-10	CS-43A	Total/NA	Solid	8015B NM	78360
890-6478-11	CS-47A	Total/NA	Solid	8015B NM	78360
890-6478-12	CS-49A	Total/NA	Solid	8015B NM	78360
890-6478-13	CS-57A	Total/NA	Solid	8015B NM	78360
890-6478-14	CS-60A	Total/NA	Solid	8015B NM	78360
890-6478-15	CS-61A	Total/NA	Solid	8015B NM	78360
890-6478-16	CS-64A	Total/NA	Solid	8015B NM	78360
890-6478-17	CS-65A	Total/NA	Solid	8015B NM	78360
890-6478-18	CS-66A	Total/NA	Solid	8015B NM	78360
890-6478-19	CS-79A	Total/NA	Solid	8015B NM	78360
890-6478-20	CS-82A	Total/NA	Solid	8015B NM	78360
890-6478-41	SW-61	Total/NA	Solid	8015B NM	78364
890-6478-42	SW-62	Total/NA	Solid	8015B NM	78364
890-6478-43	SW-63	Total/NA	Solid	8015B NM	78364
890-6478-44	SW-64	Total/NA	Solid	8015B NM	78364
890-6478-45	SW-65	Total/NA	Solid	8015B NM	78364
890-6478-46	SW-9A	Total/NA	Solid	8015B NM	78364
890-6478-47	SW-12A	Total/NA	Solid	8015B NM	78364
890-6478-48	SW-13A	Total/NA	Solid	8015B NM	78364
890-6478-49	SW-14A	Total/NA	Solid	8015B NM	78364
890-6478-50	SW-39A	Total/NA	Solid	8015B NM	78364
890-6478-51	SW-18A	Total/NA	Solid	8015B NM	78364
890-6478-53	SW-23A	Total/NA	Solid	8015B NM	78364
890-6478-54	SW-30A	Total/NA	Solid	8015B NM	78364
890-6478-55	SW-31A	Total/NA	Solid	8015B NM	78364
890-6478-56	SW-32A	Total/NA	Solid	8015B NM	78364
890-6478-57	SW-36A	Total/NA	Solid	8015B NM	78364
890-6478-58	SW-37A	Total/NA	Solid	8015B NM	78364
890-6478-59	SW-38A	Total/NA	Solid	8015B NM	78364
MB 880-78360/1-A	Method Blank	Total/NA	Solid	8015B NM	78360
MB 880-78364/1-A	Method Blank	Total/NA	Solid	8015B NM	78364

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 78311 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-78360/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78360
LCS 880-78364/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78364
LCSD 880-78360/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78360
LCSD 880-78364/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78364
890-6478-1 MS	CS-20A	Total/NA	Solid	8015B NM	78360
890-6478-1 MSD	CS-20A	Total/NA	Solid	8015B NM	78360
890-6478-41 MS	SW-61	Total/NA	Solid	8015B NM	78364
890-6478-41 MSD	SW-61	Total/NA	Solid	8015B NM	78364

Analysis Batch: 78313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-21	CS-98A	Total/NA	Solid	8015B NM	78362
890-6478-22	CS-99A	Total/NA	Solid	8015B NM	78362
890-6478-23	CS-107	Total/NA	Solid	8015B NM	78362
890-6478-24	CS-108	Total/NA	Solid	8015B NM	78362
890-6478-25	CS-109	Total/NA	Solid	8015B NM	78362
890-6478-26	CS-110	Total/NA	Solid	8015B NM	78362
890-6478-27	SW-47	Total/NA	Solid	8015B NM	78362
890-6478-28	SW-48	Total/NA	Solid	8015B NM	78362
890-6478-29	SW-49	Total/NA	Solid	8015B NM	78362
890-6478-30	SW-50	Total/NA	Solid	8015B NM	78362
890-6478-31	SW-51	Total/NA	Solid	8015B NM	78362
890-6478-32	SW-52	Total/NA	Solid	8015B NM	78362
890-6478-33	SW-53	Total/NA	Solid	8015B NM	78362
890-6478-34	SW-54	Total/NA	Solid	8015B NM	78362
890-6478-35	SW-55	Total/NA	Solid	8015B NM	78362
890-6478-36	SW-56	Total/NA	Solid	8015B NM	78362
890-6478-37	SW-57	Total/NA	Solid	8015B NM	78362
890-6478-38	SW-58	Total/NA	Solid	8015B NM	78362
890-6478-39	SW-59	Total/NA	Solid	8015B NM	78362
890-6478-40	SW-60	Total/NA	Solid	8015B NM	78362
MB 880-78362/1-A	Method Blank	Total/NA	Solid	8015B NM	78362
LCS 880-78362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	78362
LCSD 880-78362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	78362
890-6478-21 MS	CS-98A	Total/NA	Solid	8015B NM	78362
890-6478-21 MSD	CS-98A	Total/NA	Solid	8015B NM	78362

Prep Batch: 78360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	8015NM Prep	
890-6478-2	CS-21A	Total/NA	Solid	8015NM Prep	
890-6478-3	CS-24A	Total/NA	Solid	8015NM Prep	
890-6478-4	CS-28A	Total/NA	Solid	8015NM Prep	
890-6478-5	CS-29A	Total/NA	Solid	8015NM Prep	
890-6478-6	CS-33A	Total/NA	Solid	8015NM Prep	
890-6478-7	CS-34A	Total/NA	Solid	8015NM Prep	
890-6478-8	CS-37A	Total/NA	Solid	8015NM Prep	
890-6478-9	CS-42A	Total/NA	Solid	8015NM Prep	
890-6478-10	CS-43A	Total/NA	Solid	8015NM Prep	
890-6478-11	CS-47A	Total/NA	Solid	8015NM Prep	
890-6478-12	CS-49A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 78360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-13	CS-57A	Total/NA	Solid	8015NM Prep	
890-6478-14	CS-60A	Total/NA	Solid	8015NM Prep	
890-6478-15	CS-61A	Total/NA	Solid	8015NM Prep	
890-6478-16	CS-64A	Total/NA	Solid	8015NM Prep	
890-6478-17	CS-65A	Total/NA	Solid	8015NM Prep	
890-6478-18	CS-66A	Total/NA	Solid	8015NM Prep	
890-6478-19	CS-79A	Total/NA	Solid	8015NM Prep	
890-6478-20	CS-82A	Total/NA	Solid	8015NM Prep	
MB 880-78360/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78360/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78360/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6478-1 MS	CS-20A	Total/NA	Solid	8015NM Prep	
890-6478-1 MSD	CS-20A	Total/NA	Solid	8015NM Prep	

Prep Batch: 78362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-21	CS-98A	Total/NA	Solid	8015NM Prep	
890-6478-22	CS-99A	Total/NA	Solid	8015NM Prep	
890-6478-23	CS-107	Total/NA	Solid	8015NM Prep	
890-6478-24	CS-108	Total/NA	Solid	8015NM Prep	
890-6478-25	CS-109	Total/NA	Solid	8015NM Prep	
890-6478-26	CS-110	Total/NA	Solid	8015NM Prep	
890-6478-27	SW-47	Total/NA	Solid	8015NM Prep	
890-6478-28	SW-48	Total/NA	Solid	8015NM Prep	
890-6478-29	SW-49	Total/NA	Solid	8015NM Prep	
890-6478-30	SW-50	Total/NA	Solid	8015NM Prep	
890-6478-31	SW-51	Total/NA	Solid	8015NM Prep	
890-6478-32	SW-52	Total/NA	Solid	8015NM Prep	
890-6478-33	SW-53	Total/NA	Solid	8015NM Prep	
890-6478-34	SW-54	Total/NA	Solid	8015NM Prep	
890-6478-35	SW-55	Total/NA	Solid	8015NM Prep	
890-6478-36	SW-56	Total/NA	Solid	8015NM Prep	
890-6478-37	SW-57	Total/NA	Solid	8015NM Prep	
890-6478-38	SW-58	Total/NA	Solid	8015NM Prep	
890-6478-39	SW-59	Total/NA	Solid	8015NM Prep	
890-6478-40	SW-60	Total/NA	Solid	8015NM Prep	
MB 880-78362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6478-21 MS	CS-98A	Total/NA	Solid	8015NM Prep	
890-6478-21 MSD	CS-98A	Total/NA	Solid	8015NM Prep	

Prep Batch: 78364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-41	SW-61	Total/NA	Solid	8015NM Prep	
890-6478-42	SW-62	Total/NA	Solid	8015NM Prep	
890-6478-43	SW-63	Total/NA	Solid	8015NM Prep	
890-6478-44	SW-64	Total/NA	Solid	8015NM Prep	
890-6478-45	SW-65	Total/NA	Solid	8015NM Prep	
890-6478-46	SW-9A	Total/NA	Solid	8015NM Prep	
890-6478-47	SW-12A	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 78364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-48	SW-13A	Total/NA	Solid	8015NM Prep	
890-6478-49	SW-14A	Total/NA	Solid	8015NM Prep	
890-6478-50	SW-39A	Total/NA	Solid	8015NM Prep	
890-6478-51	SW-18A	Total/NA	Solid	8015NM Prep	
890-6478-53	SW-23A	Total/NA	Solid	8015NM Prep	
890-6478-54	SW-30A	Total/NA	Solid	8015NM Prep	
890-6478-55	SW-31A	Total/NA	Solid	8015NM Prep	
890-6478-56	SW-32A	Total/NA	Solid	8015NM Prep	
890-6478-57	SW-36A	Total/NA	Solid	8015NM Prep	
890-6478-58	SW-37A	Total/NA	Solid	8015NM Prep	
890-6478-59	SW-38A	Total/NA	Solid	8015NM Prep	
MB 880-78364/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-78364/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-78364/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6478-41 MS	SW-61	Total/NA	Solid	8015NM Prep	
890-6478-41 MSD	SW-61	Total/NA	Solid	8015NM Prep	

Analysis Batch: 78521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Total/NA	Solid	8015 NM	
890-6478-2	CS-21A	Total/NA	Solid	8015 NM	
890-6478-3	CS-24A	Total/NA	Solid	8015 NM	
890-6478-4	CS-28A	Total/NA	Solid	8015 NM	
890-6478-5	CS-29A	Total/NA	Solid	8015 NM	
890-6478-6	CS-33A	Total/NA	Solid	8015 NM	
890-6478-7	CS-34A	Total/NA	Solid	8015 NM	
890-6478-8	CS-37A	Total/NA	Solid	8015 NM	
890-6478-9	CS-42A	Total/NA	Solid	8015 NM	
890-6478-10	CS-43A	Total/NA	Solid	8015 NM	
890-6478-11	CS-47A	Total/NA	Solid	8015 NM	
890-6478-12	CS-49A	Total/NA	Solid	8015 NM	
890-6478-13	CS-57A	Total/NA	Solid	8015 NM	
890-6478-14	CS-60A	Total/NA	Solid	8015 NM	
890-6478-15	CS-61A	Total/NA	Solid	8015 NM	
890-6478-16	CS-64A	Total/NA	Solid	8015 NM	
890-6478-17	CS-65A	Total/NA	Solid	8015 NM	
890-6478-18	CS-66A	Total/NA	Solid	8015 NM	
890-6478-19	CS-79A	Total/NA	Solid	8015 NM	
890-6478-20	CS-82A	Total/NA	Solid	8015 NM	
890-6478-21	CS-98A	Total/NA	Solid	8015 NM	
890-6478-22	CS-99A	Total/NA	Solid	8015 NM	
890-6478-23	CS-107	Total/NA	Solid	8015 NM	
890-6478-24	CS-108	Total/NA	Solid	8015 NM	
890-6478-25	CS-109	Total/NA	Solid	8015 NM	
890-6478-26	CS-110	Total/NA	Solid	8015 NM	
890-6478-27	SW-47	Total/NA	Solid	8015 NM	
890-6478-28	SW-48	Total/NA	Solid	8015 NM	
890-6478-29	SW-49	Total/NA	Solid	8015 NM	
890-6478-30	SW-50	Total/NA	Solid	8015 NM	
890-6478-31	SW-51	Total/NA	Solid	8015 NM	
890-6478-32	SW-52	Total/NA	Solid	8015 NM	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 78521 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-33	SW-53	Total/NA	Solid	8015 NM	
890-6478-34	SW-54	Total/NA	Solid	8015 NM	
890-6478-35	SW-55	Total/NA	Solid	8015 NM	
890-6478-36	SW-56	Total/NA	Solid	8015 NM	
890-6478-37	SW-57	Total/NA	Solid	8015 NM	
890-6478-38	SW-58	Total/NA	Solid	8015 NM	
890-6478-39	SW-59	Total/NA	Solid	8015 NM	
890-6478-40	SW-60	Total/NA	Solid	8015 NM	
890-6478-41	SW-61	Total/NA	Solid	8015 NM	
890-6478-42	SW-62	Total/NA	Solid	8015 NM	
890-6478-43	SW-63	Total/NA	Solid	8015 NM	
890-6478-44	SW-64	Total/NA	Solid	8015 NM	
890-6478-45	SW-65	Total/NA	Solid	8015 NM	
890-6478-46	SW-9A	Total/NA	Solid	8015 NM	
890-6478-47	SW-12A	Total/NA	Solid	8015 NM	
890-6478-48	SW-13A	Total/NA	Solid	8015 NM	
890-6478-49	SW-14A	Total/NA	Solid	8015 NM	
890-6478-50	SW-39A	Total/NA	Solid	8015 NM	
890-6478-51	SW-18A	Total/NA	Solid	8015 NM	
890-6478-53	SW-23A	Total/NA	Solid	8015 NM	
890-6478-54	SW-30A	Total/NA	Solid	8015 NM	
890-6478-55	SW-31A	Total/NA	Solid	8015 NM	
890-6478-56	SW-32A	Total/NA	Solid	8015 NM	
890-6478-57	SW-36A	Total/NA	Solid	8015 NM	
890-6478-58	SW-37A	Total/NA	Solid	8015 NM	
890-6478-59	SW-38A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 78294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-15	CS-61A	Soluble	Solid	DI Leach	
890-6478-16	CS-64A	Soluble	Solid	DI Leach	
890-6478-17	CS-65A	Soluble	Solid	DI Leach	
890-6478-18	CS-66A	Soluble	Solid	DI Leach	
890-6478-19	CS-79A	Soluble	Solid	DI Leach	
890-6478-20	CS-82A	Soluble	Solid	DI Leach	
890-6478-21	CS-98A	Soluble	Solid	DI Leach	
890-6478-22	CS-99A	Soluble	Solid	DI Leach	
MB 880-78294/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78294/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78294/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42168-A-121-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42168-A-121-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-42168-A-131-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42168-A-131-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 78296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-23	CS-107	Soluble	Solid	DI Leach	
890-6478-24	CS-108	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 78296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-25	CS-109	Soluble	Solid	DI Leach	
890-6478-26	CS-110	Soluble	Solid	DI Leach	
890-6478-27	SW-47	Soluble	Solid	DI Leach	
890-6478-28	SW-48	Soluble	Solid	DI Leach	
890-6478-29	SW-49	Soluble	Solid	DI Leach	
890-6478-30	SW-50	Soluble	Solid	DI Leach	
890-6478-31	SW-51	Soluble	Solid	DI Leach	
890-6478-32	SW-52	Soluble	Solid	DI Leach	
890-6478-33	SW-53	Soluble	Solid	DI Leach	
890-6478-34	SW-54	Soluble	Solid	DI Leach	
890-6478-35	SW-55	Soluble	Solid	DI Leach	
890-6478-36	SW-56	Soluble	Solid	DI Leach	
890-6478-37	SW-57	Soluble	Solid	DI Leach	
890-6478-38	SW-58	Soluble	Solid	DI Leach	
890-6478-39	SW-59	Soluble	Solid	DI Leach	
890-6478-40	SW-60	Soluble	Solid	DI Leach	
890-6478-41	SW-61	Soluble	Solid	DI Leach	
890-6478-42	SW-62	Soluble	Solid	DI Leach	
MB 880-78296/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78296/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78296/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6478-23 MS	CS-107	Soluble	Solid	DI Leach	
890-6478-23 MSD	CS-107	Soluble	Solid	DI Leach	
890-6478-33 MS	SW-53	Soluble	Solid	DI Leach	
890-6478-33 MSD	SW-53	Soluble	Solid	DI Leach	

Leach Batch: 78297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-43	SW-63	Soluble	Solid	DI Leach	
890-6478-44	SW-64	Soluble	Solid	DI Leach	
890-6478-45	SW-65	Soluble	Solid	DI Leach	
890-6478-46	SW-9A	Soluble	Solid	DI Leach	
890-6478-47	SW-12A	Soluble	Solid	DI Leach	
890-6478-48	SW-13A	Soluble	Solid	DI Leach	
890-6478-49	SW-14A	Soluble	Solid	DI Leach	
890-6478-50	SW-39A	Soluble	Solid	DI Leach	
890-6478-51	SW-18A	Soluble	Solid	DI Leach	
890-6478-53	SW-23A	Soluble	Solid	DI Leach	
890-6478-54	SW-30A	Soluble	Solid	DI Leach	
890-6478-55	SW-31A	Soluble	Solid	DI Leach	
890-6478-56	SW-32A	Soluble	Solid	DI Leach	
890-6478-57	SW-36A	Soluble	Solid	DI Leach	
890-6478-58	SW-37A	Soluble	Solid	DI Leach	
890-6478-59	SW-38A	Soluble	Solid	DI Leach	
MB 880-78297/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78297/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78297/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6478-43 MS	SW-63	Soluble	Solid	DI Leach	
890-6478-43 MSD	SW-63	Soluble	Solid	DI Leach	
890-6478-53 MS	SW-23A	Soluble	Solid	DI Leach	
890-6478-53 MSD	SW-23A	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

HPLC/IC

Leach Batch: 78368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Soluble	Solid	DI Leach	
890-6478-2	CS-21A	Soluble	Solid	DI Leach	
890-6478-3	CS-24A	Soluble	Solid	DI Leach	
890-6478-4	CS-28A	Soluble	Solid	DI Leach	
890-6478-5	CS-29A	Soluble	Solid	DI Leach	
890-6478-6	CS-33A	Soluble	Solid	DI Leach	
890-6478-7	CS-34A	Soluble	Solid	DI Leach	
MB 880-78368/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78368/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78368/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42229-A-7-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42229-A-7-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 78400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-1	CS-20A	Soluble	Solid	300.0	78368
890-6478-2	CS-21A	Soluble	Solid	300.0	78368
890-6478-3	CS-24A	Soluble	Solid	300.0	78368
890-6478-4	CS-28A	Soluble	Solid	300.0	78368
890-6478-5	CS-29A	Soluble	Solid	300.0	78368
890-6478-6	CS-33A	Soluble	Solid	300.0	78368
890-6478-7	CS-34A	Soluble	Solid	300.0	78368
MB 880-78368/1-A	Method Blank	Soluble	Solid	300.0	78368
LCS 880-78368/2-A	Lab Control Sample	Soluble	Solid	300.0	78368
LCSD 880-78368/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78368
880-42229-A-7-F MS	Matrix Spike	Soluble	Solid	300.0	78368
880-42229-A-7-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78368

Analysis Batch: 78403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-15	CS-61A	Soluble	Solid	300.0	78294
890-6478-16	CS-64A	Soluble	Solid	300.0	78294
890-6478-17	CS-65A	Soluble	Solid	300.0	78294
890-6478-18	CS-66A	Soluble	Solid	300.0	78294
890-6478-19	CS-79A	Soluble	Solid	300.0	78294
890-6478-20	CS-82A	Soluble	Solid	300.0	78294
890-6478-21	CS-98A	Soluble	Solid	300.0	78294
890-6478-22	CS-99A	Soluble	Solid	300.0	78294
MB 880-78294/1-A	Method Blank	Soluble	Solid	300.0	78294
LCS 880-78294/2-A	Lab Control Sample	Soluble	Solid	300.0	78294
LCSD 880-78294/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78294
880-42168-A-121-F MS	Matrix Spike	Soluble	Solid	300.0	78294
880-42168-A-121-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78294
880-42168-A-131-E MS	Matrix Spike	Soluble	Solid	300.0	78294
880-42168-A-131-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78294

Leach Batch: 78414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-8	CS-37A	Soluble	Solid	DI Leach	
890-6478-9	CS-42A	Soluble	Solid	DI Leach	
890-6478-10	CS-43A	Soluble	Solid	DI Leach	

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 78414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-11	CS-47A	Soluble	Solid	DI Leach	
890-6478-12	CS-49A	Soluble	Solid	DI Leach	
890-6478-13	CS-57A	Soluble	Solid	DI Leach	
890-6478-14	CS-60A	Soluble	Solid	DI Leach	
MB 880-78414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-78414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-78414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-42238-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-42238-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 78415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-23	CS-107	Soluble	Solid	300.0	78296
890-6478-24	CS-108	Soluble	Solid	300.0	78296
890-6478-25	CS-109	Soluble	Solid	300.0	78296
890-6478-26	CS-110	Soluble	Solid	300.0	78296
890-6478-27	SW-47	Soluble	Solid	300.0	78296
890-6478-28	SW-48	Soluble	Solid	300.0	78296
890-6478-29	SW-49	Soluble	Solid	300.0	78296
890-6478-30	SW-50	Soluble	Solid	300.0	78296
890-6478-31	SW-51	Soluble	Solid	300.0	78296
890-6478-32	SW-52	Soluble	Solid	300.0	78296
890-6478-33	SW-53	Soluble	Solid	300.0	78296
890-6478-34	SW-54	Soluble	Solid	300.0	78296
890-6478-35	SW-55	Soluble	Solid	300.0	78296
890-6478-36	SW-56	Soluble	Solid	300.0	78296
890-6478-37	SW-57	Soluble	Solid	300.0	78296
890-6478-38	SW-58	Soluble	Solid	300.0	78296
890-6478-39	SW-59	Soluble	Solid	300.0	78296
890-6478-40	SW-60	Soluble	Solid	300.0	78296
890-6478-41	SW-61	Soluble	Solid	300.0	78296
890-6478-42	SW-62	Soluble	Solid	300.0	78296
MB 880-78296/1-A	Method Blank	Soluble	Solid	300.0	78296
LCS 880-78296/2-A	Lab Control Sample	Soluble	Solid	300.0	78296
LCSD 880-78296/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78296
890-6478-23 MS	CS-107	Soluble	Solid	300.0	78296
890-6478-23 MSD	CS-107	Soluble	Solid	300.0	78296
890-6478-33 MS	SW-53	Soluble	Solid	300.0	78296
890-6478-33 MSD	SW-53	Soluble	Solid	300.0	78296

Analysis Batch: 78423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-43	SW-63	Soluble	Solid	300.0	78297
890-6478-44	SW-64	Soluble	Solid	300.0	78297
890-6478-45	SW-65	Soluble	Solid	300.0	78297
890-6478-46	SW-9A	Soluble	Solid	300.0	78297
890-6478-47	SW-12A	Soluble	Solid	300.0	78297
890-6478-48	SW-13A	Soluble	Solid	300.0	78297
890-6478-49	SW-14A	Soluble	Solid	300.0	78297
890-6478-50	SW-39A	Soluble	Solid	300.0	78297
890-6478-51	SW-18A	Soluble	Solid	300.0	78297

QC Association Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 78423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-53	SW-23A	Soluble	Solid	300.0	78297
890-6478-54	SW-30A	Soluble	Solid	300.0	78297
890-6478-55	SW-31A	Soluble	Solid	300.0	78297
890-6478-56	SW-32A	Soluble	Solid	300.0	78297
890-6478-57	SW-36A	Soluble	Solid	300.0	78297
890-6478-58	SW-37A	Soluble	Solid	300.0	78297
890-6478-59	SW-38A	Soluble	Solid	300.0	78297
MB 880-78297/1-A	Method Blank	Soluble	Solid	300.0	78297
LCS 880-78297/2-A	Lab Control Sample	Soluble	Solid	300.0	78297
LCSD 880-78297/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78297
890-6478-43 MS	SW-63	Soluble	Solid	300.0	78297
890-6478-43 MSD	SW-63	Soluble	Solid	300.0	78297
890-6478-53 MS	SW-23A	Soluble	Solid	300.0	78297
890-6478-53 MSD	SW-23A	Soluble	Solid	300.0	78297

Analysis Batch: 78461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6478-8	CS-37A	Soluble	Solid	300.0	78414
890-6478-9	CS-42A	Soluble	Solid	300.0	78414
890-6478-10	CS-43A	Soluble	Solid	300.0	78414
890-6478-11	CS-47A	Soluble	Solid	300.0	78414
890-6478-12	CS-49A	Soluble	Solid	300.0	78414
890-6478-13	CS-57A	Soluble	Solid	300.0	78414
890-6478-14	CS-60A	Soluble	Solid	300.0	78414
MB 880-78414/1-A	Method Blank	Soluble	Solid	300.0	78414
LCS 880-78414/2-A	Lab Control Sample	Soluble	Solid	300.0	78414
LCSD 880-78414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	78414
880-42238-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	78414
880-42238-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	78414

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-20A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78381	04/16/24 11:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77572	04/16/24 16:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/16/24 16:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 11:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 11:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:41	SMC	EET MID

Client Sample ID: CS-21A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78381	04/16/24 11:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77572	04/16/24 16:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/16/24 16:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:46	SMC	EET MID

Client Sample ID: CS-24A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78381	04/16/24 11:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77572	04/16/24 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/16/24 17:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 19:51	SMC	EET MID

Client Sample ID: CS-28A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78381	04/16/24 11:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	77572	04/16/24 17:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/16/24 17:32	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-28A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/16/24 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78400	04/16/24 19:56	SMC	EET MID

Client Sample ID: CS-29A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78968	04/22/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	79014	04/23/24 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/23/24 18:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 20:00	SMC	EET MID

Client Sample ID: CS-33A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 01:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 01:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 14:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 20:05	SMC	EET MID

Client Sample ID: CS-34A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 01:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 01:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 14:46	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-34A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	78368	04/16/24 10:27	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78400	04/16/24 20:10	SMC	EET MID

Client Sample ID: CS-37A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 01:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 01:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 15:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 16:31	SMC	EET MID

Client Sample ID: CS-42A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 02:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 02:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 16:38	SMC	EET MID

Client Sample ID: CS-43A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 02:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 02:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 15:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 16:44	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-47A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 03:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 16:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 16:50	SMC	EET MID

Client Sample ID: CS-49A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 03:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 16:57	SMC	EET MID

Client Sample ID: CS-57A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 03:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 03:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 17:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 17:03	SMC	EET MID

Client Sample ID: CS-60A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 04:02	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-60A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/16/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 17:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78414	04/16/24 15:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78461	04/17/24 17:09	SMC	EET MID

Client Sample ID: CS-61A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 04:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 18:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78403	04/17/24 00:02	SMC	EET MID

Client Sample ID: CS-64A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 18:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78403	04/17/24 00:21	SMC	EET MID

Client Sample ID: CS-65A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 18:46	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-65A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78403	04/17/24 00:27	SMC	EET MID

Client Sample ID: CS-66A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 06:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 06:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78403	04/17/24 00:33	SMC	EET MID

Client Sample ID: CS-79A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 06:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 06:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 19:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78403	04/17/24 00:39	SMC	EET MID

Client Sample ID: CS-82A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78476	04/17/24 11:06	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78472	04/18/24 07:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/18/24 07:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78360	04/16/24 09:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 19:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78403	04/17/24 00:46	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-98A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 02:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 11:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 11:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78403	04/17/24 00:52	SMC	EET MID

Client Sample ID: CS-99A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 02:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78294	04/16/24 12:00	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78403	04/17/24 00:58	SMC	EET MID

Client Sample ID: CS-107
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 02:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 02:22	SMC	EET MID

Client Sample ID: CS-108
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 03:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 03:18	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: CS-108
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/16/24 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 02:37	SMC	EET MID

Client Sample ID: CS-109
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 03:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 14:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 02:41	SMC	EET MID

Client Sample ID: CS-110
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 03:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 14:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 02:46	SMC	EET MID

Client Sample ID: SW-47
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 04:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 14:46	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-47
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 02:51	SMC	EET MID

Client Sample ID: SW-48
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 15:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 03:06	SMC	EET MID

Client Sample ID: SW-49
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 05:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 05:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 15:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 03:10	SMC	EET MID

Client Sample ID: SW-50
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 05:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 05:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 15:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 15:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 03:15	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-51
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 06:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 06:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 16:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78415	04/17/24 03:20	SMC	EET MID

Client Sample ID: SW-52
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 07:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 16:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78415	04/17/24 03:25	SMC	EET MID

Client Sample ID: SW-53
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 07:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 07:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 17:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 17:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78415	04/17/24 03:30	SMC	EET MID

Client Sample ID: SW-54
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 07:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 07:55	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-54
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/16/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 17:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	78415	04/17/24 03:44	SMC	EET MID

Client Sample ID: SW-55
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 08:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 08:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 18:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78415	04/17/24 03:49	SMC	EET MID

Client Sample ID: SW-56
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 08:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 08:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 18:25	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:03	SMC	EET MID

Client Sample ID: SW-57
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 08:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 08:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 18:46	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-57
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:08	SMC	EET MID

Client Sample ID: SW-58
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 09:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 19:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:13	SMC	EET MID

Client Sample ID: SW-59
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 09:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 09:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 19:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:18	SMC	EET MID

Client Sample ID: SW-60
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 lb	78382	04/16/24 11:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78320	04/17/24 09:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 09:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	78362	04/16/24 09:18	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78313	04/16/24 19:48	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:23	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-61
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 21:33	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78415	04/17/24 04:28	SMC	EET MID

Client Sample ID: SW-62
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 12:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 22:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 22:36	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78296	04/15/24 17:12	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78415	04/17/24 04:32	SMC	EET MID

Client Sample ID: SW-63
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 22:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 22:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78423	04/16/24 23:38	SMC	EET MID

Client Sample ID: SW-64
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 13:03	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-64
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/16/24 23:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 23:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/16/24 23:52	SMC	EET MID

Client Sample ID: SW-65
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/16/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/16/24 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/16/24 23:57	SMC	EET MID

Client Sample ID: SW-9A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 00:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 00:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 00:02	SMC	EET MID

Client Sample ID: SW-12A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 00:21	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-12A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78423	04/17/24 00:07	SMC	EET MID

Client Sample ID: SW-13A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 14:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 00:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78423	04/17/24 00:21	SMC	EET MID

Client Sample ID: SW-14A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 14:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 01:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 01:03	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	78423	04/17/24 00:26	SMC	EET MID

Client Sample ID: SW-39A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 15:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 01:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 01:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 00:31	SMC	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-18A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 16:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 16:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 02:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 02:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 00:36	SMC	EET MID

Client Sample ID: SW-23A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 02:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 02:49	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 00:45	SMC	EET MID

Client Sample ID: SW-30A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 03:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 03:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 01:00	SMC	EET MID

Client Sample ID: SW-31A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 17:56	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-31A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			78521	04/17/24 03:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 03:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 01:05	SMC	EET MID

Client Sample ID: SW-32A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 18:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 03:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 03:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	78423	04/18/24 18:41	SMC	EET MID

Client Sample ID: SW-36A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 04:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 04:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 01:24	SMC	EET MID

Client Sample ID: SW-37A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 04:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 04:34	SM	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Client Sample ID: SW-37A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 01:29	SMC	EET MID

Client Sample ID: SW-38A
Date Collected: 04/12/24 00:00
Date Received: 04/12/24 14:56

Lab Sample ID: 890-6478-59
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 lb	78383	04/16/24 11:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	78438	04/17/24 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			78481	04/17/24 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			78521	04/17/24 04:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	78364	04/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	78311	04/17/24 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	78297	04/15/24 17:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	78423	04/17/24 01:34	SMC	EET MID

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

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

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6478-1	CS-20A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-2	CS-21A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-3	CS-24A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-4	CS-28A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-5	CS-29A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-6	CS-33A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-7	CS-34A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-8	CS-37A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-9	CS-42A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-10	CS-43A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-11	CS-47A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-12	CS-49A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-13	CS-57A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-14	CS-60A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-15	CS-61A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-16	CS-64A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-17	CS-65A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-18	CS-66A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-19	CS-79A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-20	CS-82A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-21	CS-98A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-22	CS-99A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-23	CS-107	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-24	CS-108	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-25	CS-109	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-26	CS-110	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-27	SW-47	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-28	SW-48	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-29	SW-49	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-30	SW-50	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-31	SW-51	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-32	SW-52	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-33	SW-53	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-34	SW-54	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-35	SW-55	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-36	SW-56	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-37	SW-57	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-38	SW-58	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-39	SW-59	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-40	SW-60	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-41	SW-61	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-42	SW-62	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-43	SW-63	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-44	SW-64	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-45	SW-65	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-46	SW-9A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-47	SW-12A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-48	SW-13A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-49	SW-14A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-50	SW-39A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-51	SW-18A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-53	SW-23A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-54	SW-30A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-55	SW-31A	Solid	04/12/24 00:00	04/12/24 14:56

Sample Summary

Client: NT Global
Project/Site: Outland State

Job ID: 890-6478-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6478-56	SW-32A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-57	SW-36A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-58	SW-37A	Solid	04/12/24 00:00	04/12/24 14:56
890-6478-59	SW-38A	Solid	04/12/24 00:00	04/12/24 14:56

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

4/26/2024 (Rev. 1)

Page ___1___ of ___7_

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ **PRP** ☐ **Brownfields** ☐ **RRC** ☐ **Superfund** ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	**Turn Around**	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No		Thermometer ID:	TWM007
Cooler Custody Seals:	Yes No N/A		Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A		Temperature Reading:	-6.6
Total Containers:	84		Corrected Temperature:	-6.4

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

890-6478 Chain of Custody

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	Sample Comments
CS-20A	4/12/2024		X		Comp	1		X	X	X	
CS-21A	4/12/2024		X		Comp	1		X	X	X	
CS-24A	4/12/2024		X		Comp	1		X	X	X	
CS-28A	4/12/2024		X		Comp	1		X	X	X	
CS-29A	4/12/2024		X		Comp	1		X	X	X	
CS-33A	4/12/2024		X		Comp	1		X	X	X	
CS-34A	4/12/2024		X		Comp	1		X	X	X	
CS-37A	4/12/2024		X		Comp	1		X	X	X	
CS-42A	4/12/2024		X		Comp	1		X	X	X	
CS-43A	4/12/2024		X		Comp	1		X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

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Page ___7___ of ___7_

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4.30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:	61 (6.0 Tw)	Corrected Temperature:	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2SO_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
SW-46A	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	~~Temperature Reading:~~		
Total Containers:	16	Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2SO_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

~~NaOH+Ascorbic Acid: SAPC~~

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
SW-39A	4/12/2024		X		Comp	1		X	X	X		
SW-18A	4/12/2024		X		Comp	1		X	X	X		
SW-22A	4/12/2024		X		Comp	1		X	X	X		
SW-23A	4/12/2024		X		Comp	1		X	X	X		
SW-30A	4/12/2024		X		Comp	1		X	X	X		
SW-31A	4/12/2024		X		Comp	1		X	X	X		
SW-32A	4/12/2024		X		Comp	1		X	X	X		
SW-36A	4/12/2024		X		Comp	1		X	X	X		
~~SW-37A~~	~~4/12/2024~~		X		Comp	1		X	X	X		
SW-38A	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

4/26/2024 (Rev. 1)

Page ___5___ of ___7_

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	[redacted]		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:	~~61~~ 60 TK	Corrected Temperature:	

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
SW-60	4/12/2024		X		Comp	1		X	X	X		
SW-61	4/12/2024		X		Comp	1		X	X	X		
SW-62	4/12/2024		X		Comp	1		X	X	X		
SW-63	4/12/2024		X		Comp	1		X	X	X		
SW-64	4/12/2024		X		Comp	1		X	X	X		
SW-66	4/12/2024		X		Comp	1		X	X	X		
SW-9A	4/12/2024		X		Comp	1		X	X	X		
SW-12A	4/12/2024		X		Comp	1		X	X	X		
SW-13A	4/12/2024		X		Comp	1		X	X	X		
SW-14A	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

4/26/2024 (Rev. 1)

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:	84	Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
SW-50	4/12/2024		X		Comp	1		X	X	X		
SW-51	4/12/2024		X		Comp	1		X	X	X		
SW-52	4/12/2024		X		Comp	1		X	X	X		
SW-53	4/12/2024		X		Comp	1		X	X	X		
SW-54	4/12/2024		X		Comp	1		X	X	X		
SW-55	4/12/2024		X		Comp	1		X	X	X		
SW-56	4/12/2024		X		Comp	1		X	X	X		
SW-57	4/12/2024		X		Comp	1		X	X	X		
~~SW-58~~	~~4/12/2024~~		~~X~~		~~Comp~~	~~1~~		~~X~~	~~X~~	~~X~~		
SW-59	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

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Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

4/26/2024 (Rev. 1)

Page ___3___ of ___7_

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:	61	Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
CS-98A	4/12/2024		X		Comp	1		X	X	X		
CS-99A	4/12/2024		X		Comp	1		X	X	X		
~~CS-105A~~	~~4/12/2024~~		~~X~~		~~Comp~~	~~1~~		~~X~~	~~X~~	~~X~~		
CS-107	4/12/2024		X		Comp	1		X	X	X		
CS-108	4/12/2024		X		Comp	1		X	X	X		
CS-109	4/12/2024		X		Comp	1		X	X	X		
CS-110	4/12/2024		X		Comp	1		X	X	X		
SW-47	4/12/2024		X		Comp	1		X	X	X		
SW-48	4/12/2024		X		Comp	1		X	X	X		
SW-49	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12 1452		2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Page 114 of 117

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Page 338 of 533

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: _____

4/26/2024 (Rev. 1)

Project Manager:	Becky Haskel	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	402 E Wood Ave	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	254-266-5456	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Outland State	Turn Around	
Project Number:	237863	☑ Routine ☐ Rush	
Project Location	Lea County	Due Date:	
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:	61 TOO TC	Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300	HOLD	Sample Comments
CS-47A	4/12/2024		X		Comp	1		X	X	X		
CS-49A	4/12/2024		X		Comp	1		X	X	X		
CS-57A	4/12/2024		X		Comp	1		X	X	X		
CS-60A	4/12/2024		X		Comp	1		X	X	X		
CS-61A	4/12/2024		X		Comp	1		X	X	X		
CS-64A	4/12/2024		X		Comp	1		X	X	X		
CS-65A	4/12/2024		X		Comp	1		X	X	X		
CS-66A	4/12/2024		X		Comp	1		X	X	X		
CS-79A	4/12/2024		X		Comp	1		X	X	X		
CS-82A	4/12/2024		X		Comp	1		X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	4/12	1452	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-6478-1
SDG Number: Lea County

Login Number: 6478
List Number: 1
Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-6478-1
SDG Number: Lea County

Login Number: 6478
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 04/16/24 08:16 AM

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

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW 47 B (H245177-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.5 %* *49.1-148*

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, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: NW1 (H245177-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.		
Project Manager:	Robbie Runnels		
Address:	2617 West Marland	State: NM Zip: 88240	
City:	Hobbs	Fax #:	
Phone #:	(575) 264-9884	Project Owner: Permian Resources	
Project #:	20751		
Project Name:	Outland 14-23 State 2BS 2H		
Project Location:	32.486037, -103.445132		
Sampler Name:	Tania Felts		

BILL TO

P.O. #:	
Company:	Permian Resources
Attn:	Montgomery Floyd
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H245177-1	SW 47 B	C	1			X					X		8/26/24		X	X	X
-2	NW 1	C	1			X					X		8/26/24		X	X	X

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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 8.26.24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1457		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C -6.8	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
- UPS - Bus - Other:	Corrected Temp. °C -7.4		

Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #140
Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM
Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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, Lab Director/Quality Manager

CARDINAL Laboratories

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

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: SW 38 E (H245214-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.6 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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: CS 61 B @ 6' (H245214-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

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	08/29/2024	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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 351 of 533

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:** **Zip:**	
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Tania Felts	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H245214											✓														
1	FL 1 @ 10'	C	1			X					X		8/26/24		X	X	X								
2	SW 38 E	C	1			X					X		8/26/24		X	X	X								
3	CS 61 B @ 6'	C	1			X					X		8/26/24		X	X	X								

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Relinquished By:	**Date:** 8-27-24 **Time:** 1455	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	**Date:** **Time:**	**Received By:**	All Results are emailed. Please provide Email address: pm@etechenv.com
			REMARKS: Rush added 8/29/24 per 24hr

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 3.8 **Corrected Temp. °C** 4.4	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☒ Rush ☐ Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 43 B @ 10' (H245243-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *69.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 47 B @ 7' (H245243-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 82 B @ 10' (H245243-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW 52 A (H245243-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:**	**Zip:**
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Tania Felts	**Fax #:**	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chloride	TPH (8015M)	BTEX (8021B)
H245243 1	CS 43 B @ 10'	C	1			X					X		8/27/24		X	X	X
2	CS 47 B @ 7'	C	1			X					X		8/27/24		X	X	X
3	CS 82 B @ 10'	C	1			X					X		8/27/24		X	X	X
4	SW 52 A	C	1			X					X		8/27/24		X	X	X

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Relinquished By:	**Date:** 08-28-24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1448		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	REMARKS: RUSH SAMPLES - 24 HOUR
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** -0.8 **Corrected Temp. °C** -1.4	**Sample Condition** Cool: ☐ Yes ☑ Yes ☐ No ☐ No Intact	**CHECKED BY: (Initials)**

Turnaround Time: Standard ☐ Rush ☒

Thermometer ID #140
Correction Factor -0.6°C

Bacteria (only) Sample Condition
Cool: ☐ Yes ☐ No
Intact: ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 79 B @ 11' (H245255-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.2 %* *49.1-148*

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, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW 36 B (H245255-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW 37 B (H245255-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:**	**Zip:**
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Tania Felts	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL ✓	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)										
H245255																										
1	CS 79 B @ 11'	C	1			X					X		8/28/24		X	X	X									
2	SW 36 B	C	1			X					X		8/28/24		X	X	X									
3	SW 37 B	C	1			X					X		8/28/24		X	X	X									

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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 8.29.24	**Received By:**	
	Time: 815		
Relinquished By:	**Date:**	**Received By:**	
	Time:		

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address: pm@etechenv.com

REMARKS:

RUSH SAMPLES - 24 HOUR

Delivered By: (Circle One)	**Observed Temp. °C** −14.0	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☐ Rush ☒
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** −14.6			**Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW 61 B (H245284-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *134 %* *49.1-148*

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:**	**Zip:**
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Tania Felts	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)								
H245284-1	SW 61 B	C	1			X					X		8/29/24		X	X	X							

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, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	**Date:** 8.29.24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1513		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	**REMARKS:** RUSH SAMPLES - 24 HOUR
	Time:		

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	**Observed Temp. °C** 1.9 **Corrected Temp. °C** 2.5	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** AD	**Turnaround Time:** Standard ☐ Rush ☒ Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No **Observed Temp. °C** **Corrected Temp. °C**

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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 & 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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *59.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:**	**Zip:**
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Robbie Runnels	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H245395-1	Merchant Outland Pit	C	1			X					X		9/4/24		X	X	X								

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Relinquished By:	**Date:** 9.6.24 **Time:** 0817	**Received By:**	S Rodriguez
Relinquished By:	**Date:** **Time:**	**Received By:**	

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:

Delivered By: (Circle One)	**Observed Temp. °C** -5.6	**Sample Condition** Cool Intact	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	**Corrected Temp. °C** -6.2	☐ Yes ☐ Yes ☐ No ☐ No	SR	**Thermometer ID** #140 **Correction Factor** -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM
Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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 - 98A @ 13' (H246242-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.7 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 99A @ 12' (H246242-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.7 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 Analyzed 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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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 112 @ 13' (H246242-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.1 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 113 @ 12' (H246242-05)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 114 @ 12' (H246242-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 24B @ 5' (H246242-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 - 108 @ 2' (H246242-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	10/15/2024	ND	400	100	400	3.92	

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	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *77.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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: SW - 32 B (H246242-09)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *52.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Page 384 of 533

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/1

Company Name:	Etech Enviromental & Safety Solutions LLC
Project Manager:	Joel lowry
Address:	2617 W Marland
City:	Hobbs
State:	NM
Zip:	88240
Phone #:	575-631-1366
Fax #:	
Project #:	20751
Project Owner:	Permian Resourses
Project Name:	Outland 14-23 state 2BS 2H
Project Location:	32.486037, -103,4415132
Sampler Name:	Addison Elston

BILL TO

P.O. #:	
Company:	Permian Resourses
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chlorides	BTEX	TPH
H246242-1	CS-98A @ 13'	C	1			X					X		10-14-24	07:00	X	X	X
-2	CS-99A @ 12'	C	1			X					X		10-14-24	07:20	X	X	X
-3	CS111 @ 12'	C	1			X					X		10-14-24	07:45	X	X	X
-4	CS112 @ 13'	C	1			X					X		10-14-24	08:15	X	X	X
-5	CS113 @ 12'	C	1			X					X		10-14-24	08:30	X	X	X
-6	CS114 @ 12'	C	1			X					X		10-14-24	08:45	X	X	X
-7	CS-24B @ 5'	C	1			X					X		10-14-24	10:15	X	X	X
-8	CS-108 @ 2'	C	1			X					X		10-14-24	10:20	X	X	X
-9	SW-32B	C	1			X					X		10-14-24	10:45	X	X	X

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Relinquished By:	Date: 10.14.24	Received By:	
Addison Elston	Time: 1503	apaniagua	
Relinquished By:	Date:	Received By:	
	Time:		

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Bill Rush charges to ETech

REMARKS: To. 10/14/24

PM@etechenv.com, addison@etechenv.com

Delivered By: (Circle One)	Observed Temp. °C 26.6	Sample Condition Cool: ☐ Yes ☐ No	Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☒ 48hr.
Sampler - UPS - Bus - Other:	Corrected Temp. °C 27.2				Thermometer ID #140 Correction Factor 0°C -0.6

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C ____ Corrected Temp. °C ____

FORM-006 R 3.4 07/11/23

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 28 A @ 12' (H246372-01)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.8 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 29 A @ 12' (H246372-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	10/18/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 105 @ 29' (H246372-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/18/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 115 @ 12' (H246372-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/18/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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:	20751	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN - LEA CO NM		

Sample ID: CS 116 @ 12' (H246372-05)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/18/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.4 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 1

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Robbie Runnels	**P.O. #:**	
Address:	2617 West Marland	**Company:**	Permian Resources
City:	Hobbs **State:** NM **Zip:** 88240	**Attn:**	Montgomery Floyd
Phone #:	(575) 264-9884 **Fax #:**	**Address:**	
Project #:	20751 **Project Owner:** Permian Resources	**City:**	
Project Name:	Outland 14-23 State 2BS 2H	**State:**	**Zip:**
Project Location:	32.486037, -103.445132	**Phone #:**	
Sampler Name:	Miguel Ramirez	**Fax #:**	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)										
H246037D																											
1	CS 28 A @ 12'	C	1			X					X		10/16/24		X	X	X										
2	CS 29 A @ 12'	C	1			X					X		10/16/24		X	X	X										
3	CS 105 @ ~~12~~ 29'	C	1			X					X		10/16/24		X	X	X										
4	CS 115 @ 12'	C	1			X					X		10/16/24		X	X	X										
5	CS 116 @ 12'	C	1			X					X		10/16/24		X	X	X										

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Relinquished By:	**Date:** 10-17-24	**Received By:**	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 1610	SRodriguez	All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:	**Date:**	**Received By:**	REMARKS: Bill Rush to Etech Please!
	Time:		

Delivered By: (Circle One)	Observed Temp. °C -8.6	Sample Condition Cool Intact ☐ Yes ☐ Yes ☐ No ☐ No	CHECKED BY: (Initials) SR	Turnaround Time: Standard ☒ Rush ☒ 48 Hr
Sampler - UPS - Bus - Other:	Corrected Temp. °C -9.2			Thermometer ID #140 Correction Factor -0.6°C

Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.5 08/05/24

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

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-54B (H246418-01)

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	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 %* *71.5-134*

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	10/22/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-55B (H246418-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	10/22/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-13B (H246418-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 *107 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	10/22/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-14B (H246418-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.4 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-62B (H246418-05)

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	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	10/22/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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
Project Location:	PERMIAN - LEA CO NM		

Sample ID: SW-63B (H246418-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	10/22/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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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CARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1/1

Company Name:	Etech Environmental & Safety Solutions, Inc.
Project Manager:	Joel Lowry
Address:	P.O. Box 301
City:	Lovington
State:	NM
Zip:	88260
Phone #:	(575) 396-2378
Fax #:	(575) 396-1429
Project #:	20751
Project Owner:	Permian Resources
Project Name:	Outland 14-23 State 2BS 2H
Project Location:	32.486037, -103.445132
Sampler Name:	Miguel Ramirez

BILL TO

P.O. #:	
Company:	Permian Resources
Attn:	Montgomery Floyd
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
H241418																	
1	SW-54B	C	1			X					X		10/16/24	13:00	X	X	X
2	SW-55B	C	1			X					X		10/16/24	13:30	X	X	X
3	SW-13B	C	1			X					X		10/16/24	14:00	X	X	X
4	SW-14B	C	1			X					X		10/16/24	14:30	X	X	X
5	SW-62B	C	1			X					X		10/16/24	15:00	X	X	X
6	SW-63B	C	1			X					X		10/16/24	15:30	X	X	X

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Relinquished By:	Date: 10.22.24	Received By:	
Relinquished By:	Time: 8:11	Received By:	
	Date:		
	Time:		

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS: RUSH 24hr Rush please! Bill rush to Etech

Please email results to pm@etechenv.com.

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -7.6°C / C-0.6°C -8.2°C / #140

Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No

CHECKED BY: (Initials)

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 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.	

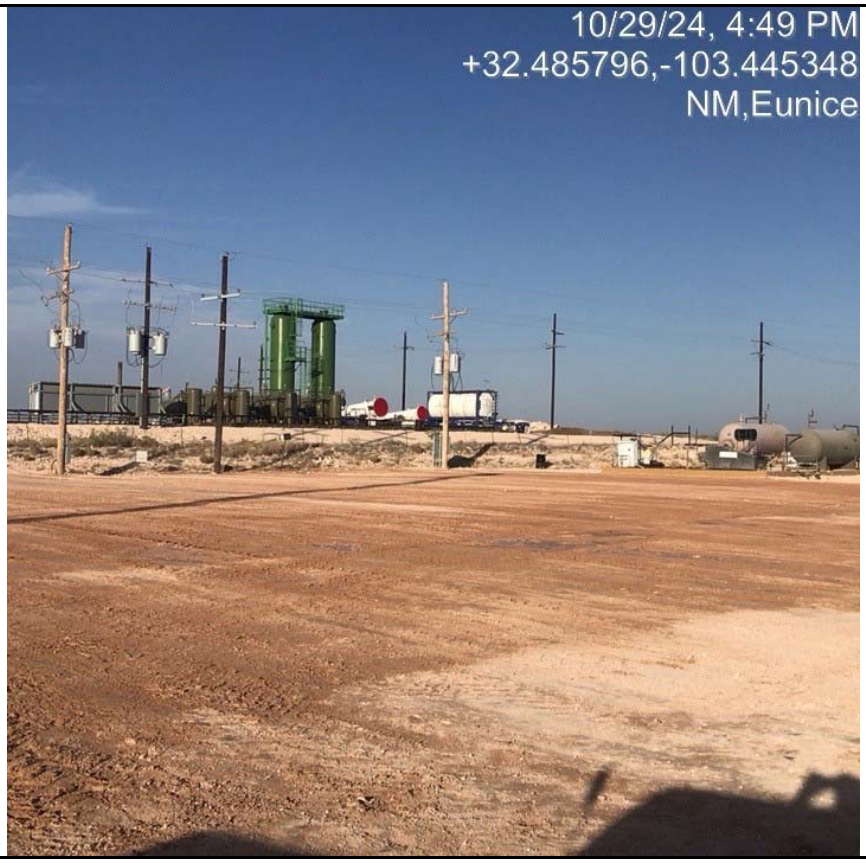
Photographic Log

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

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	293175	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	2,500
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	12/13/2023
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	Kenny Han 575-988-8856
Please provide any information necessary for navigation to sampling site	32.486074,-103.445038

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *khart (12/11/2023),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	294029	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
Description:	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	**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	1,500
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	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.

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	32.486074,-103.445038

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *khart (12/13/2023),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323678	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	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.	
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

Released to Imaging: 11/6/2025 1:43:09 PM

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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323587	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	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	Tyler Kimball 432-582-4051
Please provide any information necessary for navigation to sampling site	32.48613,-103.44518

Released to Imaging: 11/6/2025 1:43:09 PM

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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	294838	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	8,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/18/2023
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	Unknown at this time
Please provide any information necessary for navigation to sampling site	see gps

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *khart (12/14/2023),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323682	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	03/19/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323684	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	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.	
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

Released to Imaging: 11/6/2025 1:43:09 PM

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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323685	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	03/21/2023
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	Tyler Kimball 432-582-4051
Please provide any information necessary for navigation to sampling site	32.48613,-103.44518

Released to Imaging: 11/6/2025 1:43:09 PM

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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	323687	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	03/22/2024
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

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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 date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	326236	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
Description:	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	**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	03/27/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *khart (3/25/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	326237	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
Description:	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	**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	03/28/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *khart (3/25/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	324572	**Districts:**	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	**Counties:**	Lea
Description:	Permian Resources Operating, LLC [372165] , OUTLAND 14 23 STATE 2BS #2H , nAPP2328345879		
Status:	APPROVED		
Status Date:	04/10/2024		
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	12,000
What is the estimated number of samples that will be gathered	60
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/12/2024
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	Tyler Kimball (432)582-40541
Please provide any information necessary for navigation to sampling site	GPS: 32.486196, -103.445067

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (4/10/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376523	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	08/28/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	349842	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	1,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2024
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	Becky Haskell 432-766-1918
Please provide any information necessary for navigation to sampling site	32.48612,-103.44466

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Comments

No comments found for this submission.

Conditions

Summary: *mfloyd (5/31/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376504	**Districts:**	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	**Counties:**	Lea
Description:	Permian Resources Operating, LLC [372165] , 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	**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	2,600
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 19.15.29.12 NMAC	08/26/2024
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 432.313.1566
Please provide any information necessary for navigation to sampling site	32.486014, -103.445046

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376522	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	08/26/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376526	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	08/30/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376527	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/02/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376528	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/04/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	391267	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	4,000
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 19.15.29.12 NMAC	10/16/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (10/9/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	391259	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	4,000
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 19.15.29.12 NMAC	10/14/2024
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

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Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (10/9/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376536	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/13/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376533	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/11/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376531	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/09/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

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[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	376530	**Districts:**	Hobbs
Operator:	[331165] Earthstone Operating, LLC	**Counties:**	Lea
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	**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	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 19.15.29.12 NMAC	09/06/2024
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

Released to Imaging: 11/6/2025 1:43:09 PM

Comments

No comments found for this submission.

Conditions

Summary: *mtaylorpr (8/22/2024),* Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and 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.

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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: _____ Title: _____

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 be included in the plan.***

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

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

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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:	Outland 14-23 State Com	Site Type:	Tank Battery
Date Release Discovered:	10/21/2018	API # (if applicable):	30-025-44157

Unit Letter	Section	Township	Range	County
"C/D"	14	21S	34W	Lea

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] 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?	[X] Yes [ ] No [ ] N/A
[ ] 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 tanks to prepare for completion operations for the 2H and 3H wells, a valve on the back of the tank was open which allowed water to escape from the tank.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed 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 ☒ 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 any 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 the incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production or storage site?	☐ Yes ☒ No

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**
>100	Chloride	EPA 300.0 or SM4500 Cl B	20000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg
	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., SH2 @ Surf., WH1 @ Surf., NH1 @ Surf., and NH2 @ 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

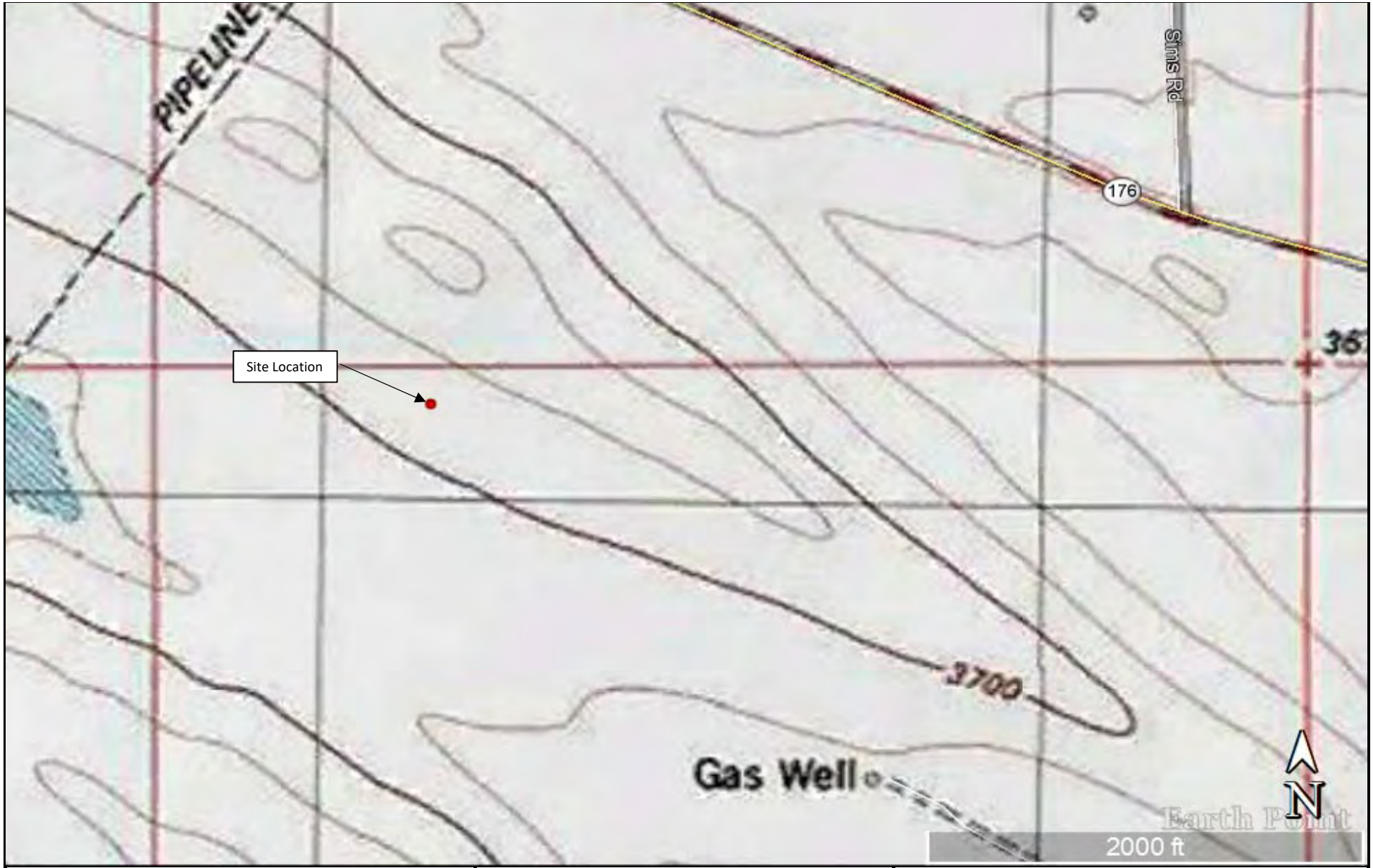
Chisholm Energy Operating, LLC
801 Cherry St.
Suite 1200
FT Worth, TX 76102

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



Legend:

- Site Location

Figure 1
Topographic Map
Chisholm Energy Operating, LLC
Outland 14-23 State Com
GPS: 32.48571, -103.44495
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 9/17/19

Figure 2
Aerial Proximity Map



Legend:

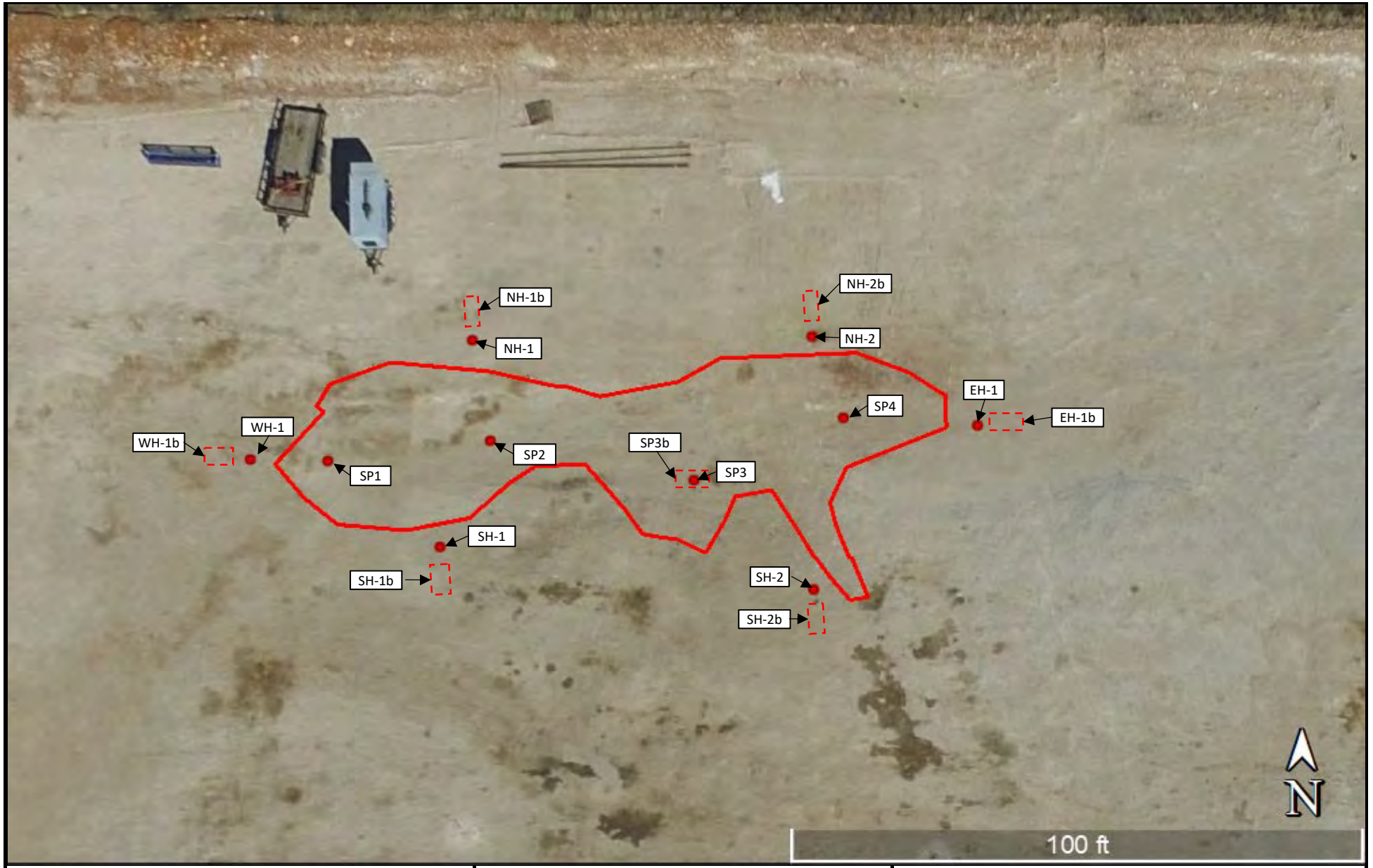
- Site Location
- Fresh Water Well
- Half Mile Radius

Figure 2
Aerial Map
Chisholm Energy Operating, LLC
Outland 14-23 State Com
GPS: 32.48571, -103.44495
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 9/17/19

Figure 3
Site and Sample Location Map



Legend:

- Sample Point
- Affected Area
- Test Trench

Figure 3
Site and Sample Location Map
Chisholm Energy Operating, LLC
Outland 14-23 State Com
GPS: 32.48571, -103.44495
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 9/17/19

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
NMOCD Ref. #: 1RP-5260

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (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[D]	**18,170**	3,200
SP3b@6'	9/16/19	6'	In-Situ	--	--	<4.8	2,500	**2,500**	<480[D]	**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	190	510	--
SP3b@11'	9/16/19	11'	In-Situ	--	--	<4.9	<9.3	<14.2	<47	<61.2	190
SH-1b@surf	9/16/19	Surface	In-Situ	--	--	<4.8	11	11	<47	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
Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**

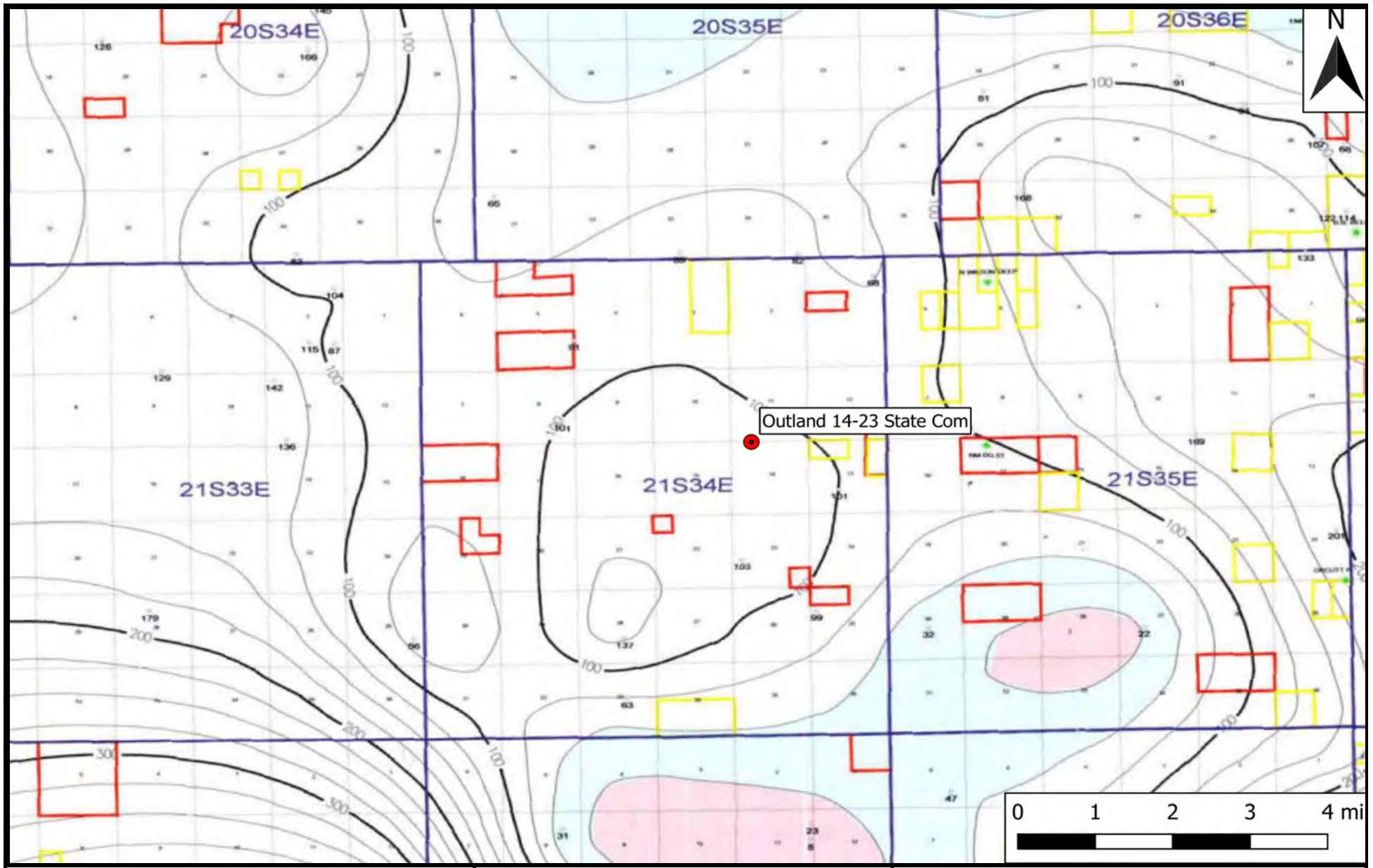
NOTES:

-- = Sample not analyzed for constituent

[D] = Sample diluted due to matrix

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Appendix A
Depth to Groundwater Information



Legend

Site Location

Figure 4

Inferred Depth to Groundwater Trend Map

Chisholm Energy Operating, LLC

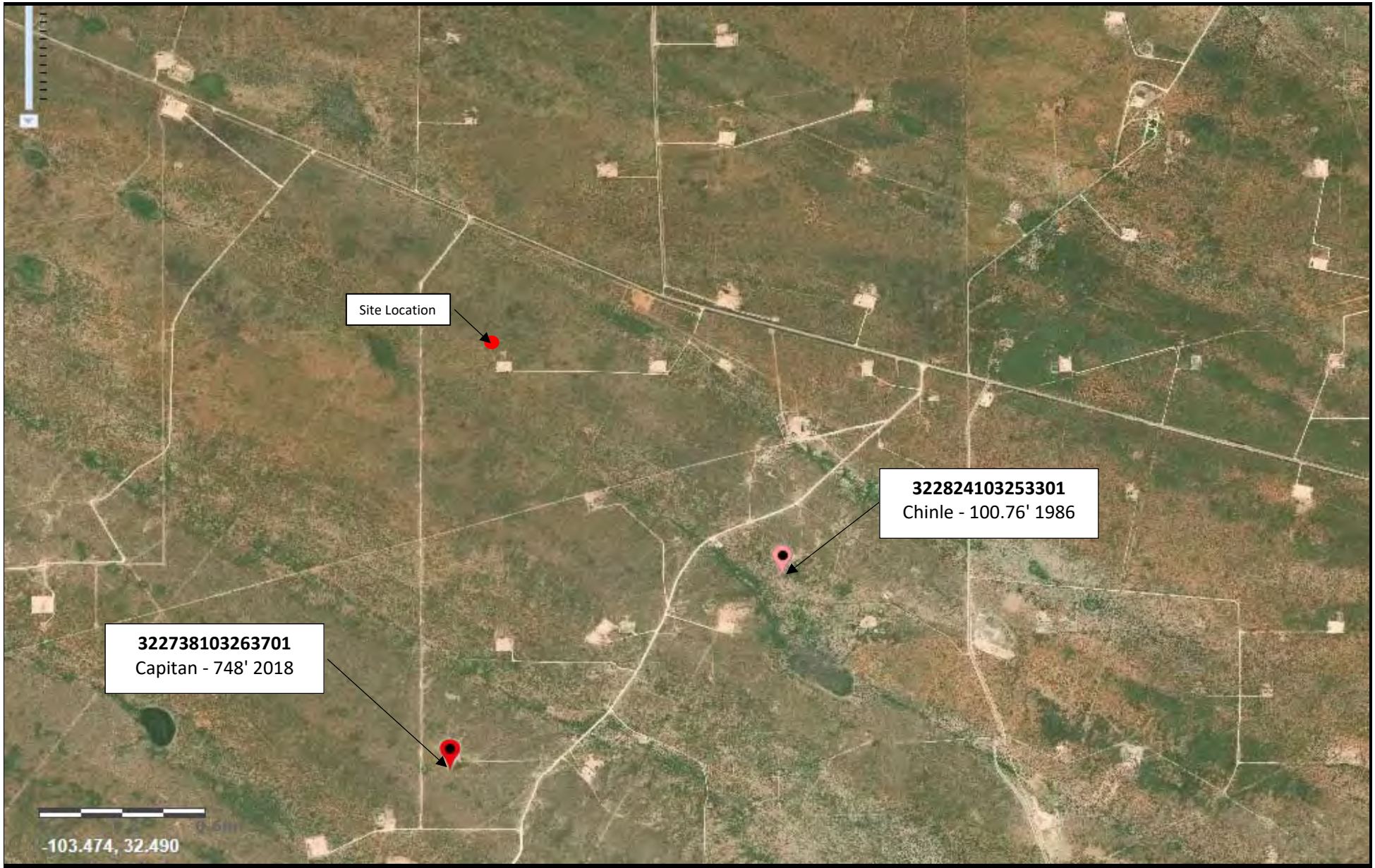
Outland 14-23 State Com

GPS: 32.48571, -103.44495

Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: jwl Date: 10/1/19



Legend:

- Site Location
- USGS Water Well

Figure 5
USGS Well Proximity Map
Chisholm Energy Operating, LLC
Outland 14-23 State Com
GPS: 32.48571, -103.44495
Lea County

eTECH Environmental & Safety Solutions, Inc.

Drafted: Checked: jwl Date: 9/17/19

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00089	O	CP	LE	2	1		13	21S	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, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00089	2	1		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:** **Source:** Shallow

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, usability, or suitability for any particular purpose of the data.

Appendix B
Field Data and Soil Profile Logs

eTECH Environmental & Safety Solutions, Inc.

Sample Log

Date: 8/1/19

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 @ Surf.		72428	32.4860, -103.4453
SP#1 @ 8"-R		72428	
SP#3 @ Surf.		72428	32.4859, -103.4451
SP#3 @ 8"-R		72428	
SP#4 @ Surf.		1728	32.4860, -103.4450
SP#4 @ 1'-R		832	
NH-1 @ Surf.		4904	32.4860, -103.4456
NH-1 @ 1'		1660	
NH-2 @ Surf		~~4904~~ 72428	32.4866, -103.4450
NH-2 @ 1'		~~660~~ 240	
SH-1 @ Surf		1336	32.4859, -103.4453
SH-1 @ 1'		280	
SH-2 @ Surf.		72428	32.4854, -103.4451
SH-2 @ 1'		1620	
WH-1 @ Surf.		72428	32.4860, -103.4453
WH-1 @ 1'		152	
EH-1 @ Surf		1620	32.4859, -103.4450
EH-1 @ 1'		164	

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

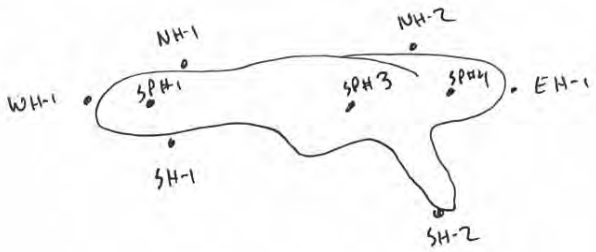
eTECH Environmental & Safety Solutions, Inc.

Initial Release Assessment Form

Project: 10035 Date:

Project Number: Outland 14-23 State Com Latitude: 32.48571 Clean Up Level: 600 mg/kg Cl-, 100 mg/kg TPH Longitude: -103.44495

Site Diagram



Notes: Revisit Release Site
Conduct initial release assessment
Collect Horizontal & Vertical Samples
Field Screen for Chloride

~Length: ~Width: ~Area: ~Depth:

	Yes	No
3-4 Representative Pictures of the Affected Area including sample locations?	☐	☐
Necessary Samples Field Screened and on Ice?	☐	☐
Sample and Field Screen Data Entered on Sample Log?	☐	☐
Was horizontal and vertical delineation achieved?	☐	☐

ETECH Environmental & Safety Solutions, Inc.

Sample Log

Project: Outland 14-23 State Com Date: 09.16.19

Project Number: 10035 Latitude: 32.48571 Longitude: -103.44495

Sample ID	PID/Odor	Chloride Conc.		GPS
SP 3b @ 2'	349.5	1744	10:00	TP#
SP 3b @ 4'	978.5	1984	10:12	C1
SP 3b @ 6'	157.7	1860	10:27	
SP 3b @ 8'	102.8	1032	10:40	
SP 3b @ 10'	29.1	896	11:12	
SP 3b @ 11'	3.3	168	11:30	C1
SH-1b @ surface	1.6	444	1:00	
SH-2b @ surface	1.6	444	1:15	C1
NH-1b @ surface	1.6	444	1:20	
NH-2b @ surface	2.4	600	1:23	
EH-1b @ surface	1.6	[redacted]546	1:45	
WH-1b @ surface	1.8	496		3:20 C1
		1 NH	1 NH	
			C1	
		1 SH	1 SH	

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

eTECH Environmental & Safety Solutions, Inc.

Soil Profile

Date: 9-16-19

Project: Outland 14-23 State Com

Project Number: 10035 Latitude: 32.48571 Longitude: -103.44495

Depth (ft. bgs)	Description
1	Imported Fill / Caliche
2	Brown Topsoil
3	
4	Caliche w/ Sand
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
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Appendix C
Laboratory Analytical Reports

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 1 @ SURFACE (H900545-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %*	*73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %*	*37.6-147*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 Analyzed 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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 Analyzed 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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 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	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 %* *37.6-147*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 Analyzed 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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *37.6-147*

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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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Page 493 of 533

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Chisholm Energy	**BILL TO**	
Project Manager:	Lance Crenshaw	P.O. #:	
Address:		Company:	ETECH
City:	State: Zip:	Attn:	Jodi Walters
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:		State: Zip:	
Project Location:	Outland 14-23 State com Pad	Phone #:	
Sampler Name:	Lance Crenshaw	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Cl	TPH	BTEX
H900545																	
1	SP1@Surface	G	1			X					X		2-12	12:03pm	/	/	/
2	SP2@Surface	G	1			X					X		2-12	12:06pm			
3	SP3@Surface	G	1			X					X		2-12	12:09pm			
4	SP4@Surface	G	1			X					X		2-12	12:16 pm			

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Relinquished By:	Date: 2-12-19	Received By:	
	Time: 14:10		
Relinquished By:	Date:	Received By:	
	Time:		

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:

REMARKS:
pm@etechenv.com
lance@etechenv.com

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: 4.7°C #97	Cool: Yes / No — Intact: Yes / No	(Initials) TO

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Released to Imaging: 11/6/2025 1:43:09 PM

CARDINAL Laboratories

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 1 @ 1' - R (H902656-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *37.6-147*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 Analyzed 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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *41-142*

Surrogate: 1-Chlorooctadecane *605 %* *37.6-147*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg Analyzed 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 Analyzed 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 %* *37.6-147*

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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: EH 1 @ SURFACE (H902656-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *73.3-129*

Chloride, SM4500Cl-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 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	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 %* *37.6-147*

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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
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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 **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	1.98	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 %* *73.3-129*

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	08/07/2019	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	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 %* *37.6-147*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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: 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 %* *73.3-129*

Chloride, SM4500Cl-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 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	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 %* *37.6-147*

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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: SH 1 @ 1' (H902656-07)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	08/07/2019	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	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 %* *37.6-147*

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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 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 *107 %* *73.3-129*

Chloride, SM4500Cl-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 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	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 %* *37.6-147*

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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 **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 *108 %* *73.3-129*

Chloride, SM4500Cl-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 **Analyzed 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 %* *37.6-147*

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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 **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 *108 %* *73.3-129*

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 **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	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 %* *37.6-147*

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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 **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 *116 %* *73.3-129*

Chloride, SM4500Cl-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 **Analyzed 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 %* *37.6-147*

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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 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 *107 %* *73.3-129*

Chloride, SM4500Cl-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 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	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 %* *37.6-147*

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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 **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 *108 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed 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 **Analyzed 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 %* *37.6-147*

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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 **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 *106 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed 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 **Analyzed 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 %* *37.6-147*

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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: NH 2 @ 1' (H902656-15)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %* *73.3-129*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**192**	16.0	08/07/2019	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	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 %* *37.6-147*

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.

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

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CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etech
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	10035 **Project Owner:** Chisholm	**City:**	
Project Name:	Outland 14-23 State	**State:** **Zip:**	
Project Location:	Lea	**Phone #:**	
Sampler Name:	Jimmy Hand	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	**DATE**	**TIME**	Chloride	TPH (8015M)	BTEX (8021B)								
H902656																									
1	SP 1 @ 1' - R	g	1			x					x		8/1/19	10:50	x	x	x								
2	SP 3 @ 1' - R	g	1			x					x		8/1/19	11:10	x	x	x								
3	SP 4 @ 1' - R	g	1			x					x		8/1/19	11:30	x	x	x								
4	EH 1 @ Surface	g	1			x					x		8/1/19	10:00	x	x	x								
5	EH 1 @ 1'	g	1			x					x		8/1/19	12:00	x	x	x								
6	SH 1 @ Surface	g	1			x					x		8/1/19	10:05	x	x	x								
7	SH 1 @ 1'	g	1			x					x		8/1/19	12:20	x	x	x								
8	SH 2 @ Surface	g	1			x					x		8/1/19	10:10	x	x	x								
9	SH 2 @ 1'	g	1			x					x		8/1/19	12:40	x	x	x								
10	WH 1 @ Surface	g	1			x					x		8/1/19	10:15	x	x	x								

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Relinquished By:	**Date:** 8/2/19	**Received By:**	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
	Time: 14:15		**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Relinquished By:	**Date:**	**Received By:**	**REMARKS:**
	Time:		Please email results to pm@etechenv.com and joel@etechenv.com.

Delivered By: (Circle One) 3.4° #97 **Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No **CHECKED BY: (Initials)** T.O.

Sampler - UPS - Bus - Other: Corrected 3.8°

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

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CARDINAL LABORATORIES
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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Etech Environmental & Safety Solutions, Inc.	**BILL TO**	
Project Manager:	Joel Lowry	**P.O. #:**	
Address:	P.O. Box 301	**Company:**	Etech
City:	Lovington **State:** NM **Zip:** 88260	**Attn:**	
Phone #:	(575) 396-2378 **Fax #:** (575) 396-1429	**Address:**	
Project #:	10035 **Project Owner:** Chisholm	**City:**	
Project Name:	Outland 14-23 State	**State:** **Zip:**	
Project Location:	Lea	**Phone #:**	
Sampler Name:	Jimmy Hand	**Fax #:**	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST											
Lab I.D.	**Sample I.D.**	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	**DATE**	**TIME**	Chloride	TPH (8015M)	BTEX (8021B)									
H902656																									
11	WH 1 @ 1'	g	1			x					x		8/1/19	13:00	x	x	x								
12	NH 1 @ Surface	g	1			x					x		8/1/19	10:20	x	x	x								
13	NH 1 @ 1'	g	1			x					x		8/1/19	13:20	x	x	x								
14	NH 2 @ Surface	g	1			x					x		8/1/19	10:25	x	x	x								
15	NH 2 @ 1'	g	1			x					x		8/1/19	13:40	x	x	x								

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Relinquished By:	**Date:** 8/2/19 **Time:** 14:15	**Received By:**	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	**Date:** **Time:**	**Received By:**	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) 3.4° #97	**Sample Condition** Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)**	REMARKS:
Sampler - UPS - Bus - Other: Corrected 3.8°			Please email results to pm@etechenv.com and joel@etechenv.com.

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Received by OCD: 10/24/2025 1:14:46 PM

Released to Imaging: 11/6/2025 1:43:09 PM

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SP3b@2'
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 10:00:00 AM
Lab ID: 1909918-001 **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 ORGANICS						Analyst: **BRM**
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

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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SP3b@4'
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 10:12:00 AM
Lab ID: 1909918-002 **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 ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	18000	930		mg/Kg	100	9/20/2019 3:59:07 PM
Motor Oil Range Organics (MRO)	ND	4600	D	mg/Kg	100	9/20/2019 3:59:07 PM
Surr: DNOP	0	70-130	S	%Rec	100	9/20/2019 3:59:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	170	5.0		mg/Kg	1	9/19/2019 1:28:17 PM
Surr: BFB	1090	77.4-118	S	%Rec	1	9/19/2019 1:28:17 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	3200	150		mg/Kg	50	9/25/2019 9:30:26 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SP3b@6'
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 10:27:00 AM
Lab ID: 1909918-003 **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 ORGANICS						Analyst: **BRM**
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

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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

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 ORGANICS						Analyst: **BRM**
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1909918**
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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SP3b@11'
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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SH-1b@surf
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 1:00:00 PM
Lab ID: 1909918-007 **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 ORGANICS						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

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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: SH-2b@surf
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 1:15:00 PM
Lab ID: 1909918-008 **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 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						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

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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: NH-2b@surf
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 1:23:00 PM
Lab ID: 1909918-010 **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 ORGANICS						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

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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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

Analytical Report
Lab Order **1909918**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Chisholm Energy Operating
Client Sample ID: WH-1b@surf
Project: Outland 14 32 State Com
Collection Date: 9/16/2019 2:00:00 PM
Lab ID: 1909918-012 **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 ORGANICS						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

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

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 included in the plan.***

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 1/15/2020

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

Signature: _____ Date: 1/15/2020

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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 519836

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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 Approved**
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 (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**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 safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation 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: 10/24/2025

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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	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 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.)
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 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.	
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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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	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:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	fEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 10/24/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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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QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 519836
	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)	The previously submitted Closure Report was denied on the basis that one of the previous operator's laboratory analytical reports was missing from the Closure Report and that several of the sampling events were conducted outside of the scheduled sampling times while the site was under different management. A post-dated sampling notification has been submitted to address the missing sampling dates and a revised closure report has been prepared that includes the missing laboratory analytical report. We apologize for the inconvenience.

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: 10/24/2025

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QUESTIONS (continued)

Operator:	OGRID:
Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	372165
	Action Number: 519836
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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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CONDITIONS

Operator:	OGRID:
Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	372165
	Action Number: 519836
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Remediation Closure is approved.	11/6/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	11/6/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	11/6/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	11/6/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	11/6/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	11/6/2025