

Incident ID	nAPP2117455077
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 6/14/2022
email: cwalker@mewbourne.com Telephone: (806) 202-5281

OCD Only

Received by: Robert Hamlet Date: 10/25/2022

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

Closure Approved by: Robert Hamlet Date: 10/25/2022
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>65</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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Printed Name: Connor Walker Title: Sr. Engineer

Signature: _____ Date: _____

email: cwalker@mewbourne.com Telephone: (806) 202-5281

OCD Only

Received by: _____ Date: _____

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- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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Printed Name: Connor Walker Title: Sr. Engineer

Signature: _____ Date: _____

email: cwalker@mewbourne.com Telephone: (806) 202-5281

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Summary & Soil Closure Request


Mewbourne Oil Company Ruger 31 MP Fed #1H Battery

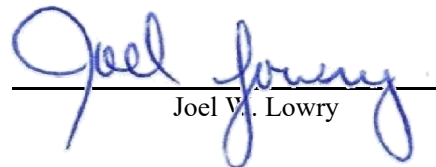
Eddy County, New Mexico
Unit Letter "M", Section 31, Township 19 South, Range 29 East
Latitude 32.611941 North, Longitude 104.119722 West
NMOCD Reference No. nAPP2117455077

Prepared By:

Etech Environmental & Safety Solutions, Inc.

2507 79th Street, Unit A
Lubbock, Texas 79423



Ben J. Arguijo

Joel V. Lowry

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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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 Ruger 31 Battery 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?	65'	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & 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 Ruger 31 Battery release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
65'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	N/A	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)

† 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

In July 2021, remediation activities commenced at the release site. Mewbourne retained Etech to conduct confirmation soil sampling. A third-party contractor, which is no longer affiliated with the site, was contracted to perform the excavation. Impacted soil was excavated to a depth of approximately six (6) inches below ground surface (bgs) and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal.

On July 20, 2021, Etech collected 118 confirmation soil samples (FL 1 @ 6" through FL 118 @ 6") from the floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory method detection limit (MDL) in a majority of the submitted soil samples, with the exceptions of soil samples FL 1 @ 6", FL 36 @ 6", FL 50 @ 6", FL 68 @ 6", FL 78 @ 6", FL 91 @ 6", FL 114 @ 6", and FL 115 @ 6", which exhibited TPH concentrations ranging from 16.9 mg/kg (FL 115 @ 6") to 922 mg/kg (FL 91 @ 6"). Chloride concentrations ranged from 32.0 mg/kg in sample FL 82 @ 6" to 18,000 mg/kg in samples FL 14 @ 6" and FL 37 @ 6".

On July 22, 2021, Etech collected 62 confirmation soil samples (NW1 through NW6, EW1 through EW4, SW1 through SW5, WW1 through WW5, and FL 119 @ 6" through FL 160 @ 6") from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in a majority of the submitted soil samples, with the exceptions of soil samples NW2, NW3, WW2, FL 120 @ 6", FL 122 @ 6", FL 125 @ 6", FL 126 @ 6", FL 128 @ 6", FL 129 @ 6", FL 135 @ 6" through FL 141 @ 6", and FL 158 @ 6", which exhibited TPH concentrations ranging from 10.9 mg/kg (FL 128 @ 6") to 6,230 mg/kg (FL 125 @ 6"). Chloride concentrations ranged from 16.0 mg/kg in samples FL 149 @ 6", FL 157 @ 6", and FL 158 @ 6" to 17,200 mg/kg in sample FL 139 @ 6".

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 55 @ 6" through FL 57 @ 6", FL 65 @ 6" through FL 67 @ 6", FL 72 @ 6", FL 73 @ 6", FL 75 @ 6" through FL 77 @ 6", FL 84 @ 6", FL 86 @ 6" through FL 89 @ 6", FL 105 @ 6", FL 110 @ 6" through FL 112 @ 6", FL 114 @ 6", and FL 118 @ 6".

On October 5, 2021, Etech collected 22 confirmation soil samples (FL 55 @ 4' through FL 57 @ 4', FL 65 @ 4' through FL 67 @ 4', FL 72 @ 4', FL 73 @ 4', FL 75 @ 4' through FL 77 @ 4', FL 84 @ 4', FL 86 @ 4' through FL 89 @ 4', FL 105 @ 4', FL 110 @ 5' through FL 112 @ 5', FL 114 @ 5', and FL 118 @ 5') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Soil sample FL 114 @ 5' was also analyzed for TPH. Laboratory analytical results indicated chloride concentrations were below the applicable NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 128 mg/kg in samples FL 72 @ 4' and FL 87 @ 4' to 560 mg/kg in samples FL 105 @ 4' and FL 111 @ 4'. The TPH concentration in sample FL 114 @ 5' was below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 19 @ 6", FL 32 @ 6", and FL 125 @ 6".

On January 24, 2022, Etech collected three (3) confirmation soil samples (FL 19, FL 32, and FL 125) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Soil sample FL 114 @ 5' was also analyzed for TPH. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 288 mg/kg in sample FL 19 to 384 mg/kg in samples FL 32 and FL 125.

In March 2022, Mewbourne contracted Etech to assume all remediation activities for the release.

On March 9, 2022, Etech commenced excavation activities at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab® chloride test kit were utilized to field-screen the vertical and horizontal 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 BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 14 @ 6" through FL 18 @ 6", FL 20 @ 6", FL 27 @ 6" through FL 31 @ 6", FL 39 @ 6" through FL 43 @ 6", FL 45 @ 6", FL 46 @ 6", FL 48 @ 6", FL 50 @ 6", FL 51 @ 6", FL 58 @ 6", FL 59 @ 6", FL 68 @ 6", FL 70 @ 6", FL 93 @ 6", FL 95 @ 6" through FL 97 @ 6", FL 100 @ 6", FL 102 @ 6" through FL 104 @ 6", FL 126 @ 6", and FL 130 @ 6" through FL 133 @ 6".

Etech collected 38 confirmation soil samples (FL 14 @ 3' through FL 18 @ 3', FL 20 @ 3', FL 27 @ 3' through FL 31 @ 3', FL 39 @ 3' through FL 43 @ 3', FL 45 @ 3', FL 46 @ 3', FL 48 @ 3', FL 50 @ 3', FL 51 @ 3', FL 58 @ 3', FL 59 @ 3', FL 68 @ 3', FL 70 @ 3', FL 93b @ 3', FL 95b @ 3' through FL 97b @ 3', FL 100b @ 3', FL 102b @ 3' through FL 104b @ 3', FL 126b @ 3', and FL 130b @ 3' through FL 133b @ 3') from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 32.0 mg/kg in sample FL 97b @ 3' to 416 mg/kg in sample FL 96b @ 3'.

On March 10, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples SW5, FL 78 @ 6", FL 80 @ 6", FL 81 @ 6", FL 91 @ 6", FL 92 @ 6", FL 94 @ 6", and FL 134 @ 6" through FL 141 @ 6".

Etech collected 15 confirmation soil samples (SW5c @ 4', FL 78c @ 4', FL 80c @ 4', FL 81d @ 5', FL 91c @ 4', FL 92d @ 5', FL 94d @ 5', and FL 134b @ 3' through FL 141b @ 3') from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 32.0 mg/kg in samples FL 134 B @ 3' and FL 140 B @ 3' to 528 mg/kg in samples FL 135 B @ 3' and FL 136 B @ 3'.

On March 14, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NW1, NW2, NW3, FL 1 @ 6" through FL 7 @ 6", FL 9 @ 6", FL 21 @ 6", and FL 22 @ 6".

Etech collected 13 confirmation soil samples (NW1 @ 2', NW2 @ 2', NW3 @ 2', FL 1 @ 2', FL 2 @ 2', FL 3 @ 2', FL 4 @ 2', FL 5 @ 2', FL 6 @ 2', FL 7 @ 2', FL 9 @ 2', FL 21 @ 2', and FL 22 @ 2') from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard in samples FL 4 @ 2', FL 5 @ 2', FL 7 @ 2', and FL 9 @ 2' and ranged from 256 mg/kg in sample NW1 @ 2' to 784 mg/kg in sample FL 7 @ 2'.

On March 18, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples NW4, FL 4 @ 2' through FL 7 @ 2', FL 9 @ 2', and FL 11 @ 6" through FL 13 @ 6".

Etech collected nine (9) confirmation soil samples (NW4 A @ 3', FL 4 @ 3' through FL 7 @ 3', FL 9 @ 3', and FL 11 @ 3' through FL 13 @ 3') from the sidewalls and floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 48.0 mg/kg in sample FL 12 @ 3' to 128 mg/kg in sample FL 6 @ 3'.

On March 21, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FL 26 @ 6" and FL 35 @ 6" through FL 38 @ 6".

Etech collected five (5) confirmation soil samples (FL 26 @ 2' and FL 35 @ 2' through FL 38 @ 2') from the floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criterion and NMOCD Reclamation Standard in each of the submitted soil samples and ranged from 80.0 mg/kg in sample FL 37 @ 2' to 160 mg/kg in sample FL 35 @ 2'.

The final dimensions of the excavated area were approximately 177 to 292 feet in length, 18 to 164 feet in width, and six (6) inches to five (5) feet in depth.

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 and a soil profile log are provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D.

5.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was contoured and compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate 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 Mewbourne provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Ruger 31 Battery release site.

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 reference 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 Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

8.0 DISTRIBUTION

Mewbourne Oil Company

4801 Business Park Blvd.

Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, NM 88210

United States Department of the Interior

Bureau of Land Management

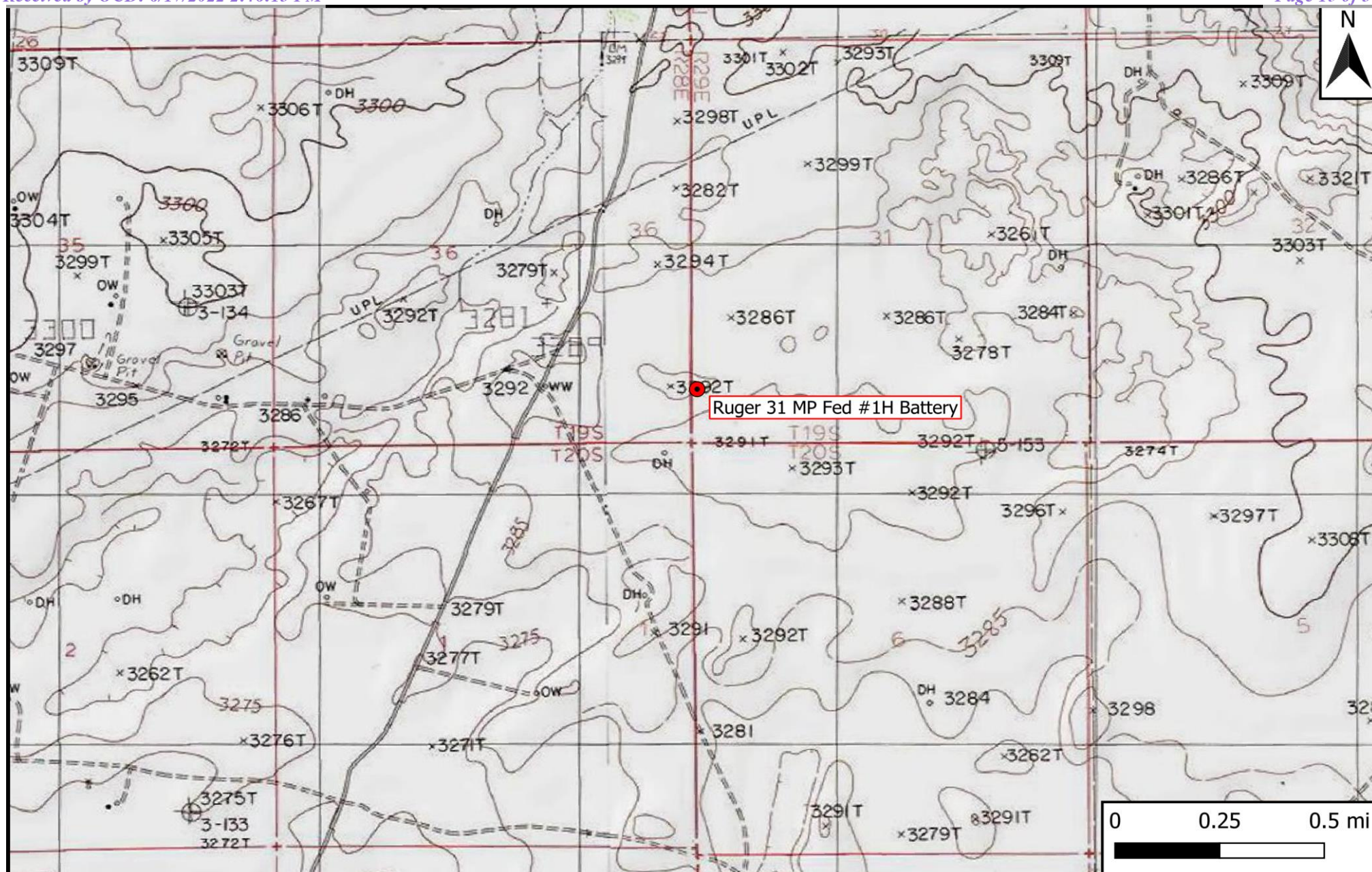
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County

ETECH
 Environmental & Safety Solutions, Inc.

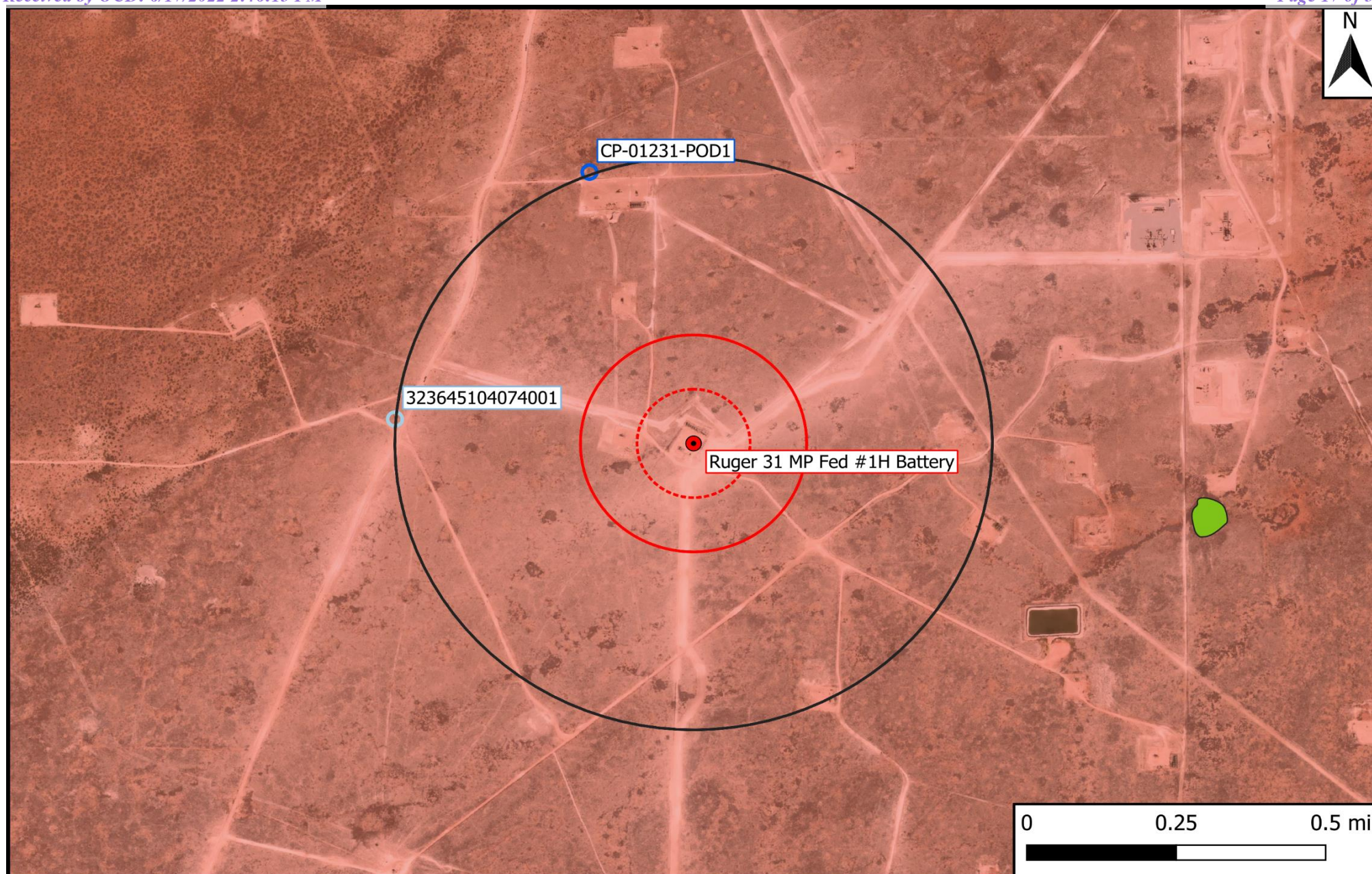
Drafted: bja

Checked: jwl

Date: 3/29/22

Figure 2

Aerial Proximity Map



Legend

- | | | |
|------------------------------|------------------------------|-------------------|
| ● Site Location | ■ 1% Annual Flood Chance | ⋯ 500-Ft Radius |
| ○ Well - NMOSE | ■ Emergent/Forested Wetlands | ⋯ 1,000-Ft Radius |
| ○ Well - USGS | ■ Freshwater Pond/Lake | ⋯ 0.5-Mi Radius |
| ○ Well - Exploratory/Monitor | ■ Medium/High Karst | |
| — Potash Mine Workings | ■ Riverine | |

Figure 2

Aerial Proximity Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County



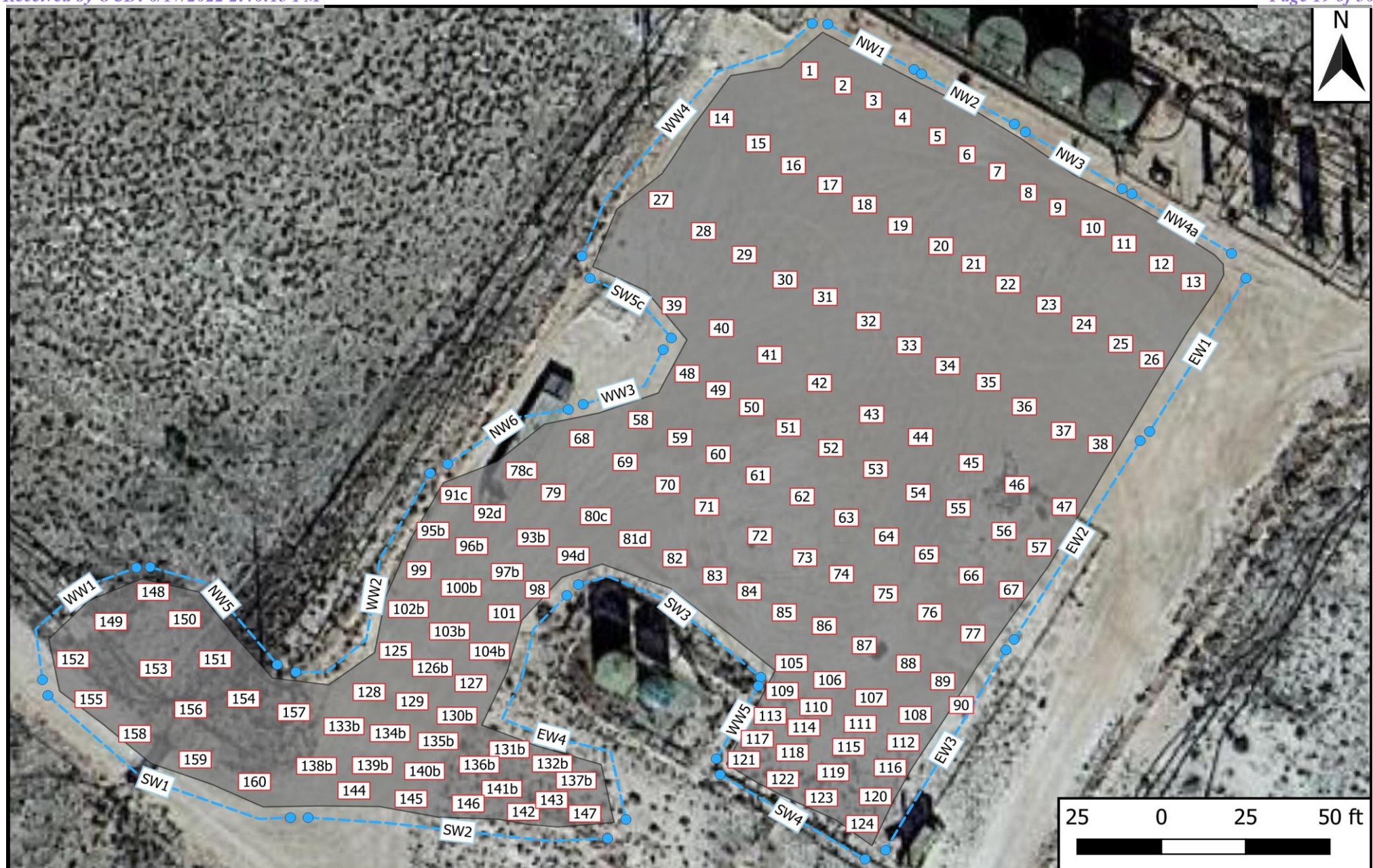
Drafted: bja

Checked: jwl

Date: 3/29/22

Figure 3

Site & Sample Location Map



Legend

- Excavated Area
- Composite Floor Sample
- Composite Wall Sample

Figure 3

Site & Sample Location Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County

ETECH
 Environmental & Safety Solutions, Inc.

Revised: bja

Checked: jwl

Date: 6/8/22

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 1 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	22.8	22.8	<10.0	22.8	9,330
FL 1 @ 2'	3/14/2022	2	In-Situ	-	-	-	-	-	-	-	368
FL 2 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,860
FL 2 @ 2'	3/14/2022	2	In-Situ	-	-	-	-	-	-	-	368
FL 3 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,400
FL 3 @ 2'	3/14/2022	2	In-Situ	-	-	-	-	-	-	-	352
FL 4 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
FL 4 @ 2'	3/14/2022	2	Excavated	-	-	-	-	-	-	-	752
FL 4 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 5 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,860
FL 5 @ 2'	3/14/2022	2	Excavated	-	-	-	-	-	-	-	656
FL 5 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 6 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
FL 6 @ 2'	3/14/2022	2	Excavated	-	-	-	-	-	-	-	528
FL 6 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	128
FL 7 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL 7 @ 2'	3/14/2022	2	Excavated	-	-	-	-	-	-	-	784
FL 7 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	96.0
FL 8 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 9 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 9 @ 2'	3/14/2022	2	Excavated	-	-	-	-	-	-	-	656
FL 9 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	96.0
FL 10 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 11 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,000
FL 11 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 12 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,100
FL 12 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 13 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL 13 @ 3'	3/18/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 14 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000
FL 14 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 15 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
FL 15 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	144
FL 16 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
FL 16 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	256
FL 17 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
FL 17 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 18 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,660
FL 18 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 19 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,100
FL 19	1/24/2022	3	In-Situ	-	-	-	-	-	-	-	288

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 20 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,440
FL 20 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	160
FL 21 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
FL 21 @ 2'	3/14/2022	2	In-Situ	-	-	-	-	-	-	-	480
FL 22 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 22 @ 2'	3/14/2022	2	In-Situ	-	-	-	-	-	-	-	272
FL 23 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 24 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 25 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 26 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 26 @ 2'	3/21/2022	2	In-Situ	-	-	-	-	-	-	-	96.0
FL 27 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,400
FL 27 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	176
FL 28 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
FL 28 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 29 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660
FL 29 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	96.0
FL 30 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL 30 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 31 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
FL 31 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	80.0
FL 32 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,660
FL 32	1/24/2022	3	In-Situ	-	-	-	-	-	-	-	384
FL 33 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 34 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 35 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 35 @ 2'	3/21/2022	2	In-Situ	-	-	-	-	-	-	-	160
FL 36 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	192	192	145	337	768
FL 36 @ 2'	3/21/2022	2	In-Situ	-	-	-	-	-	-	-	112
FL 37 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000
FL 37 @ 2'	3/21/2022	2	In-Situ	-	-	-	-	-	-	-	80.0
FL 38 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,400
FL 38 @ 2'	3/21/2022	2	In-Situ	-	-	-	-	-	-	-	112
FL 39 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
FL 39 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	336
FL 40 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 40 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 41 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 41 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	144
FL 42 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,000
FL 42 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	128

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 43 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,000
FL 43 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	224
FL 44 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 45 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16,000
FL 45 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	208
FL 46 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
FL 46 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	208
FL 47 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 48 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,440
FL 48 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	352
FL 49 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 50 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	79.6	79.6	20.6	100	3,040
FL 50 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	208
FL 51 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 51 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	144
FL 52 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 53 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 54 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 55 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,660
FL 55 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	320
FL 56 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 56 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	320
FL 57 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 57 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	336
FL 58 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 58 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	208
FL 59 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 59 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	208
FL 60 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 61 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 62 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 63 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 64 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 65 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,330
FL 65 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	304
FL 66 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,200
FL 66 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	304
FL 67 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 67 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	352
FL 68 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	137	137	94.2	231	2,880
FL 68 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	176

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 69 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 70 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 70 @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	288
FL 71 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 72 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 72 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	128
FL 73 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,400
FL 73 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	336
FL 74 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 75 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
FL 75 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	288
FL 76 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,700
FL 76 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	320
FL 77 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 77 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	336
FL 78 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	202	202	146	348	4,880
FL 78c @ 4'	3/10/2022	4	In-Situ	-	-	-	-	-	-	-	160
FL 79 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 80 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 80c @ 4'	3/10/2022	4	In-Situ	-	-	-	-	-	-	-	160
FL 81 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 81d @ 5'	3/10/2022	5	In-Situ	-	-	-	-	-	-	-	288
FL 82 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 83 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 84 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,330
FL 84 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	304
FL 85 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 86 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL 86 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	336
FL 87 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
FL 87 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	128
FL 88 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 88 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	448
FL 89 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 89 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	384
FL 90 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 91 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	729	729	193	922	2,400
FL 91c @ 4'	3/10/2022	4	In-Situ	-	-	-	-	-	-	-	432
FL 92 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,260
FL 92d @ 5'	3/10/2022	5	In-Situ	-	-	-	-	-	-	-	320
FL 93 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 93b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 94 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,600
FL 94d @ 5'	3/10/2022	5	In-Situ	-	-	-	-	-	-	-	320
FL 95 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
FL 95b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	128
FL 96 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL 96b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	416
FL 97 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
FL 97b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	32.0
FL 98 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 99 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 100 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL 100b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 101 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 102 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,400
FL 102b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 103 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,330
FL 103b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 104 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
FL 104b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	304
FL 105 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,860
FL 105 @ 4'	10/5/2021	4	In-Situ	-	-	-	-	-	-	-	560
FL 106 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 107 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 108 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 109 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 110 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
FL 110 @ 5'	10/5/2021	5	In-Situ	-	-	-	-	-	-	-	320
FL 111 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,100
FL 111 @ 5'	10/5/2021	5	In-Situ	-	-	-	-	-	-	-	560
FL 112 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 112 @ 5'	10/5/2021	5	In-Situ	-	-	-	-	-	-	-	304
FL 113 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 114 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	341	341	114	455	368
FL 114 @ 5'	10/5/2021	5	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	-
FL 115 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	16.9	16.9	<10.0	16.9	160
FL 116 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 117 @ 6"	7/20/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 118 @ 6"	7/20/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 118 @ 5'	10/5/2021	5	In-Situ	-	-	-	-	-	-	-	384
FL 119 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 120 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	16.0	16.0	<10.0	16.0	192
FL 121 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 122 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	26.8	26.8	<10.0	26.8	96.0
FL 123 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 124 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 125 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	4,460	4,460	1,770	6,230	880
FL 125	1/24/2022	4	In-Situ	-	-	-	-	-	-	-	384
FL 126 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	4,110	4,110	1,710	5,820	976
FL 126b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 127 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 128 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	10.9	10.9	<10.0	10.9	528
FL 129 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	34.4	34.4	12.3	46.7	496
FL 130 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,250
FL 130b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 131 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,710
FL 131b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 132 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120
FL 132b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	80.0
FL 133 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,200
FL 133b @ 3'	3/9/2022	3	In-Situ	-	-	-	-	-	-	-	32.0
FL 134 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,800
FL 134b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	32.0
FL 135 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	449	449	155	604	1,330
FL 135b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	528
FL 136 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	136	136	50.4	186	1,360
FL 136b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	528
FL 137 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	216	216	77.4	293	1,410
FL 137b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	48.0
FL 138 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	210	210	81.4	291	1,960
FL 138b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	64.0
FL 139 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	39.7	39.7	<10.0	39.7	17,200
FL 139b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	80.0
FL 140 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	33.0	33.0	<10.0	33.0	16,400
FL 140b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	32.0
FL 141 @ 6"	7/22/2021	0.5	Excavated	<0.050	<0.300	<10.0	82.0	82.0	12.3	94.3	16,000
FL 141b @ 3'	3/10/2022	3	In-Situ	-	-	-	-	-	-	-	112
FL 142 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 143 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 144 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 145 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 146 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144

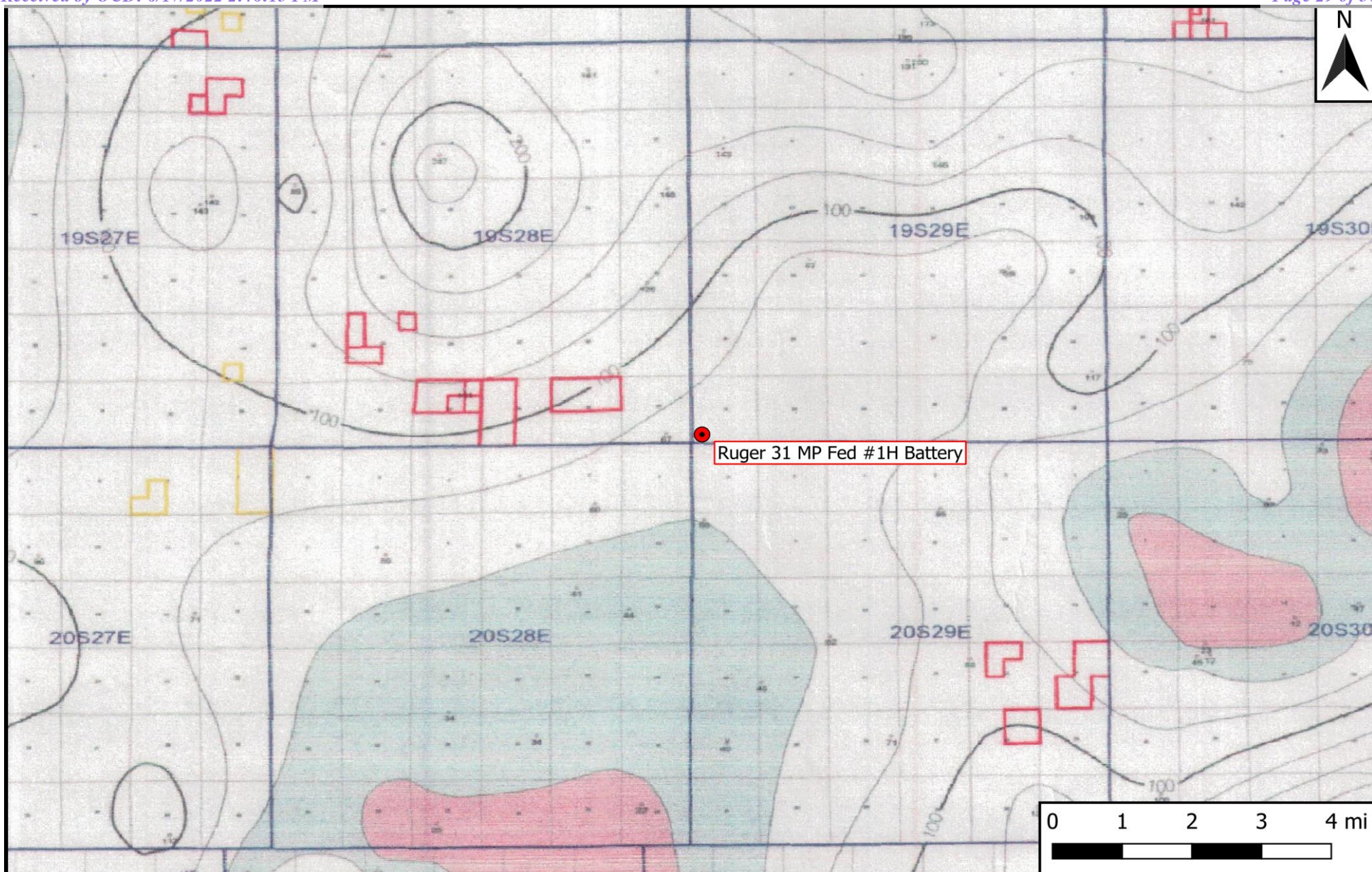
Dash (-): Not applicable OR Sample not analyzed for that constituent.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Ruger 31 MP Fed #1H Battery NMOCD Ref. #: nAPP2117455077											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
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)
FL 147 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 148 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 149 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 150 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 151 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 152 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 153 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 154 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 155 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 156 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 157 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 158 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	26.1	26.1	<10.0	26.1	16.0
FL 159 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 160 @ 6"	7/22/2021	0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW1	7/22/2021	0 - 0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
NW1 @ 2'	3/14/2022	0.5 - 1.5	In-Situ	-	-	-	-	-	-	-	256
NW2	7/22/2021	0 - 0.5	Excavated	<0.050	<0.300	<10.0	170	170	77.7	248	1,410
NW2 @ 2'	3/14/2022	0.5 - 1.5	In-Situ	-	-	-	-	-	-	-	336
NW3	7/22/2021	0 - 0.5	Excavated	<0.050	<0.300	<10.0	372	372	164	536	16,200
NW3 @ 2'	3/14/2022	0.5 - 1.5	In-Situ	-	-	-	-	-	-	-	320
NW4	7/22/2021	0 - 0.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
NW4a @ 3'	3/18/2022	0.5 - 2.5	In-Situ	-	-	-	-	-	-	-	96.0
NW5	7/22/2021	0 - 0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW6	7/22/2021	0 - 0.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

Dash (-): Not applicable OR Sample not analyzed for that constituent.

Appendix A

Depth to Groundwater Information



Legend

● Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: jwl

Date: 3/29/22



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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01231 POD1	CP	ED		4	4	2	36	19S	28E	582311	3609372	812	300	75	225
CP 00926 POD1	CP	LE		2	1	4	01	20S	28E	581793	3607405	1445	300		

Average Depth to Water: **75 feet**

Minimum Depth: **75 feet**

Maximum Depth: **75 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 582591.36

Northing (Y): 3608609.97


Radius: 1610

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
	CP 01231 POD1	4	4	2	36	19S	28E	582311	3609372 

Driller License: 1654		Driller Company: NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC	
Driller Name:			
Drill Start Date: 10/21/2013	Drill Finish Date: 10/21/2013	Plug Date:	
Log File Date: 10/29/2013	PCW Rcv Date:	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield: 80 GPM	
Casing Size: 8.00	Depth Well: 300 feet	Depth Water: 75 feet	

Water Bearing Stratifications:	Top	Bottom	Description
	200	300	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	220	300

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.

POINT OF DIVERSION SUMMARY




New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
20CC0	CP 00926 POD1	2 1 4 01 20S 28E	581793	3607405 

Driller License:**Driller Company:****Driller Name:****Drill Start Date:****Drill Finish Date:****Plug Date:****Log File Date:****PCW Rev Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:****Depth Well:** 300 feet**Depth Water:**

Meter Number:	8505	Meter Make:	SIEMENS
Meter Serial Number:	L1254826	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Monthly

Meter Readings (in Acre-Feet)

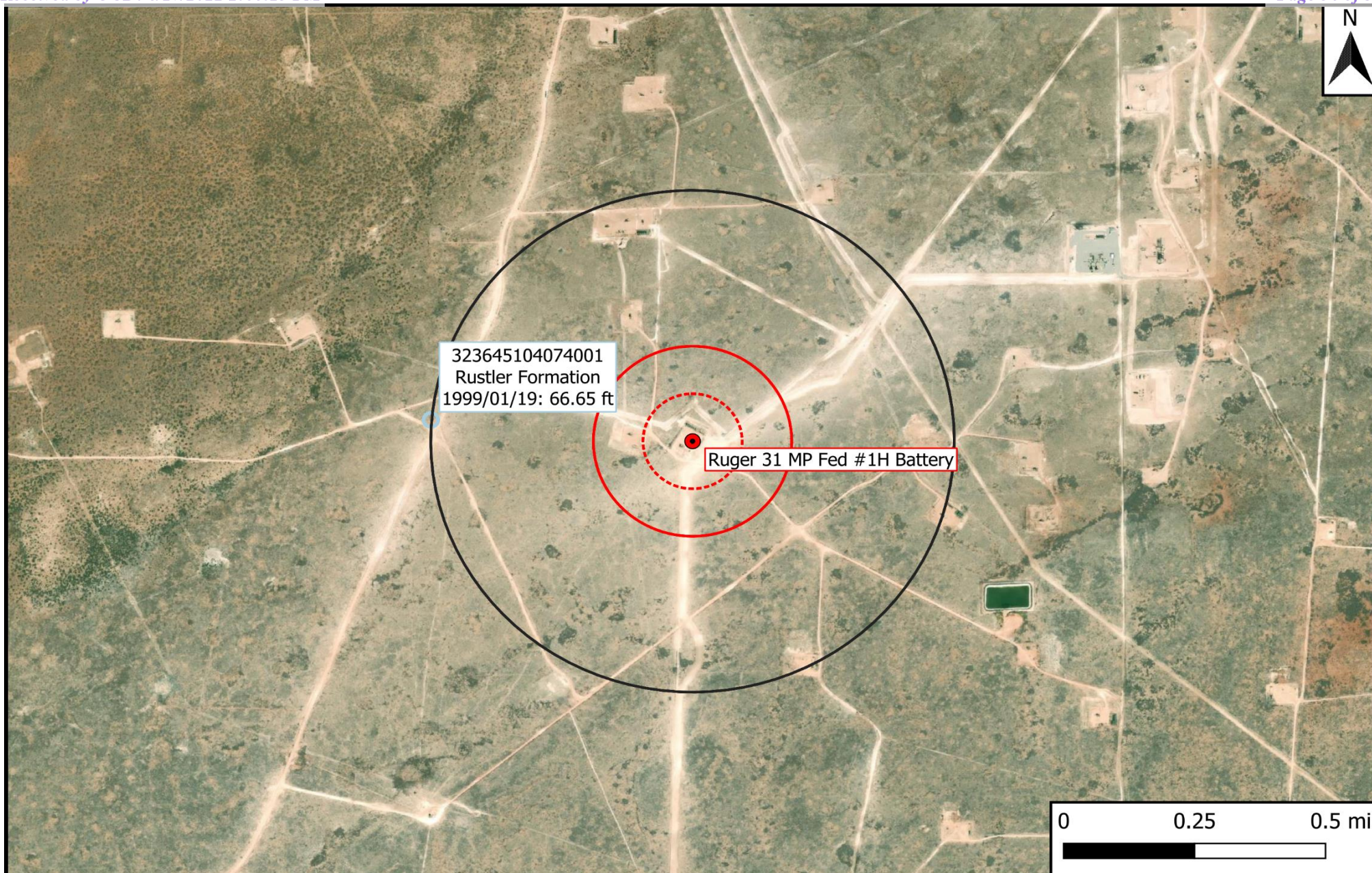
Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/2005	2005	11779500	A	jw		0
04/12/2005	2005	12531800	A	jw		2.309
08/18/2005	2005	13801200	A	jw		3.896
12/31/2016	2016	25746500	A	RPT		0
01/31/2017	2017	27917599	A	RPT		6.663
02/28/2017	2017	30726856	A	RPT		8.621
03/31/2017	2017	32044767	A	RPT		4.045
04/30/2017	2017	34556900	A	RPT		7.709
05/31/2017	2017	37013131	A	RPT		7.538
06/30/2017	2017	39863000	A	RPT		8.746
07/31/2017	2017	41720800	A	RPT		5.701
08/31/2017	2017	43758900	A	RPT		6.255
09/30/2017	2017	46260066	A	RPT		7.676
10/31/2017	2017	49733284	A	RPT		10.659
11/30/2017	2017	52431800	A	RPT		8.281
12/31/2017	2017	54793910	A	RPT		7.249
01/31/2018	2018	55603400	A	RPT		2.484
02/28/2018	2018	57265300	A	RPT		5.100
03/31/2018	2018	57694446	A	RPT		1.317
05/31/2018	2018	64079600	A	RPT		19.595
10/01/2018	2018	0	A	RPT		0
10/31/2018	2018	12742551	A	RPT		39.105
11/30/2018	2018	13355352	A	RPT		1.881
03/31/2019	2019	17694170	A	RPT		13.315
04/30/2019	2019	19130315	A	RPT		4.407

05/31/2019	2019	22163027	A	RPT	9.307
06/30/2019	2019	25284568	A	RPT	9.580
09/30/2019	2019	35517523	A	RPT	31.404
10/31/2019	2019	35821649	A	RPT	0.933
02/29/2020	2020	43175955	A	RPT	22.570
04/30/2020	2020	46372886	A	RPT	9.811
05/04/2020	2020	46372886	A	RPT	0
05/04/2020	2020	0	A	RPT	0
05/31/2020	2020	2434800	A	RPT	7.472
08/31/2020	2020	4161600	A	RPT	5.299
09/30/2020	2020	5056000	A	RPT	2.745
10/31/2020	2020	5056000	A	WEB	0 X
11/30/2020	2020	5938750	A	WEB	2.709 X
12/31/2020	2020	8109705	A	WEB	6.662 X
01/31/2021	2021	10956400	A	RPT	8.736
02/28/2021	2021	12471600	A	RPT	4.650
04/30/2021	2021	16603200	A	ad	12.679
05/31/2021	2021	16603200	A	ad	0

**YTD Meter Amounts:	Year	Amount
	2005	6.205
	2016	0
	2017	89.143
	2018	69.482
	2019	68.946
	2020	57.268
	2021	26.065

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.

POINT OF DIVERSION SUMMARY



Legend

- Site Location
- Well - USGS
- ⋯ 500-Ft Radius
- ▭ 1,000-Ft Radius
- ▭ 0.5-Mi Radius

Figure 5

USGS Well Proximity Map
Mewbourne Oil Company
Ruger 31 MP Fed #1H Battery
GPS: 32.611941, -104.119722
Eddy County



Drafted: bja

Checked: jwl

Date: 3/29/22

19S.28E.36.43233



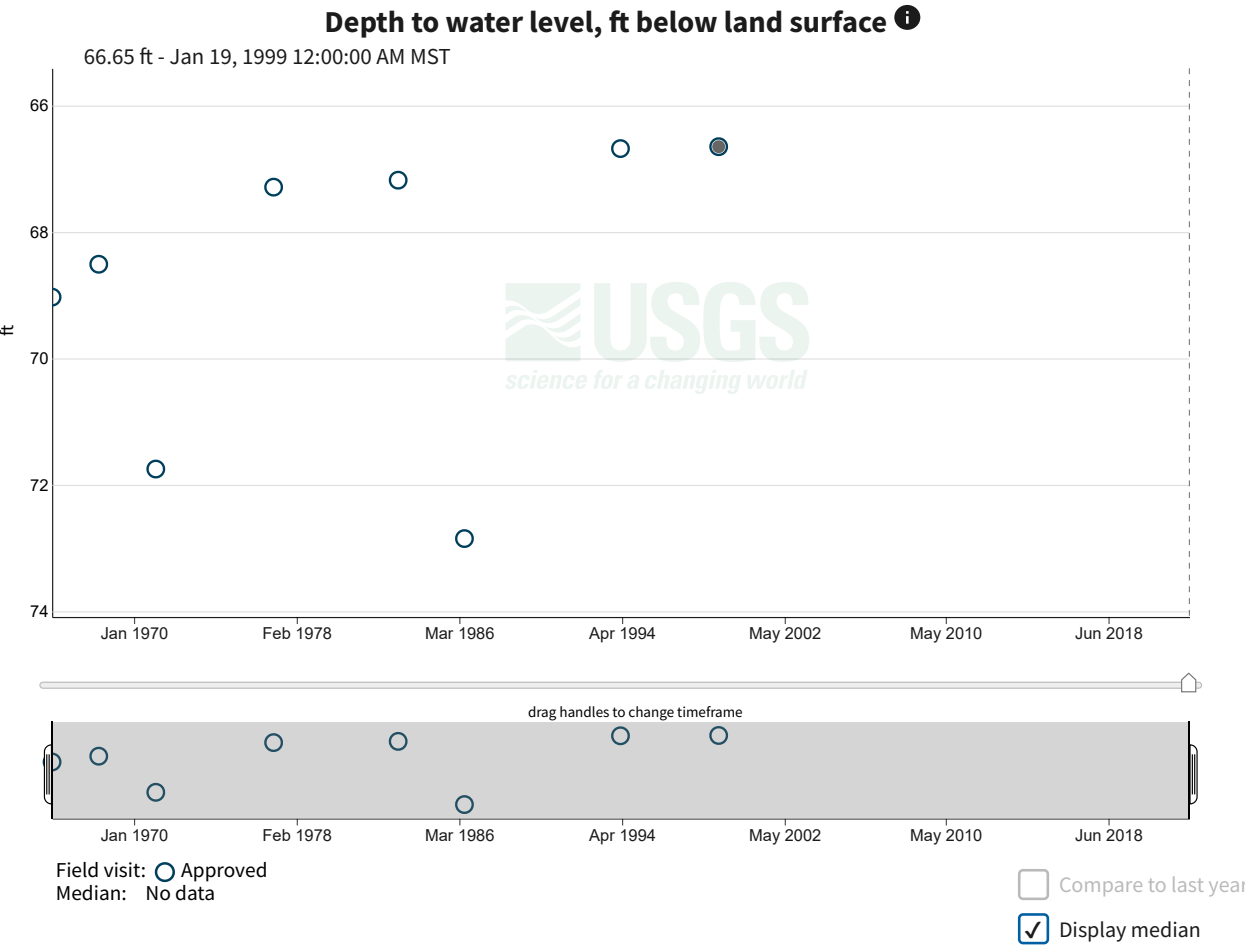
IMPORTANT [Inventory Page](#) 

Monitoring location 323645104074001 is associated with a WELL in EDDY COUNTY, NEW MEXICO. Water data back to 1965 are available online.

☐ 1 year ☐ 10 years ☒ Period of record

Change time span

↓ Retrieve data



IMPORTANT Data may be provisional - [learn more](#)

Select Data to Graph	
<input checked="" type="radio"/> Depth to water level, ft below land surface	1965-12-07 to 1999-01-19
<input type="radio"/> Groundwater level above NAVD 1988, ft	1965-12-07 to 1999-01-19
<input type="radio"/> Groundwater level above NGVD 1929, feet	1965-12-07 to 1999-01-19

Hydrograph data table(s)	—
--------------------------	---

Parameter	Time	Result	Accuracy	Approval	Qualifiers
Depth to water level, ft below land surface	1965-12-07	69.03	0.01	Approved	Static
Depth to water level, ft below land surface	1968-04-02	68.51	0.01	Approved	Static
Depth to water level, ft below land surface	1971-02-01	71.75	0.01	Approved	Static
Depth to water level, ft below land surface	1976-12-09	67.29	0.01	Approved	Static
Depth to water level, ft below land surface	1983-02-16	67.18	0.01	Approved	Static
Depth to water level, ft below land surface	1986-06-03	72.85	0.01	Approved	Static
Depth to water level, ft below land surface	1994-03-04	66.68	0.01	Approved	Static
Depth to water level, ft below land surface	1999-01-19	66.65	0.01	Approved	Static

1

[↓ Retrieve data](#)
Groundwater Data **BETA**
[About the Network-Linked Data Index \(NLDI\).](#)
Affiliated Networks **BETA**

Summary of All Available Data



USGS Parameter Group	Data Types	Start Date	End Date
Physical	Groundwater Levels	1965-12-07	1999-01-19

[Water Data for the Nation inventory.](#)

Location Metadata


[DOI Privacy Policy](#) | [Legal](#) | [Accessibility](#) | [Site Map](#) | [Contact USGS](#) Follow [Twitter](#) [Facebook](#) [Instagram](#) [YouTube](#) [LinkedIn](#)
[U.S. Department of the Interior](#) | [DOI Inspector General](#) | [White House](#) | [E-gov](#) | [No Fear Act](#) | [FOIA](#)

Appendix B

Field Data & Soil Profile Logs



Sample Log

Date:

1/19/22

Project: Ruger MP 31

Project Number: 14502

Latitude: 32.6121

Longitude: -104.12175

Sample ID	PID/Odor	Chloride Conc.	GPS
SW5		10 > 2572	
F17		5.2 996	
18		4.0 620	
19		3.4 468	✓
20		5.2 996	
27		6.0 1332	
28		4.8 856	
29		7.2 2044	
30		5.4 1072	
31		4.8 856	
32		3.8 568	✓
39		9.0 > 2572	new bottle
40		4.8 856	
41		4.0 620	
42		4.4 732	
43		5.4 1072	
45		5.4 1072	
48		5.4 1072	
58		9.2 > 2572	
59		8.8 > 2572	
68		5.4 1072	
70		9.4 > 2572	
78		5.8 1240	
80		5.4 1072	
81		9.4 > 2572	
91		5.0 924	
92		6.4 1532	
93		7.8 2572	
94		7.2 2044	
95		4.4 732	
96		6.4 1532	
97		10 > 2572	
100		7.8 2572	
102		4.6 792	
103		8.2 > 2572	
104		5.6 1152	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Ruger MP 31

Project Number: 14502 Latitude: 32.6121 Longitude: -104.12175

[illegible]

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



Sample Log

Date: _____

Project: _____
Project Number: _____ Latitude: _____ Longitude: _____

[illegible]

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

Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 92 @ 5'	n/a	396	
FL 94 @ 5'	n/a	396	
FL 14 @ 3'	n/a	120	
FL 15 @ 3'	n/a	188	
FL 16 @ 3'	n/a	352	
FL 17 @ 3'	n/a	120	
FL 18 @ 3'	n/a	116	
FL 20 @ 3'	n/a	160	
FL 27 @ 3'	n/a	160	
FL 28 @ 3'	n/a	216	
FL 29 @ 3'	n/a	136	
FL 30 @ 3'	n/a	188	
FL 31 @ 3'	n/a	160	
FL 40 @ 3'	n/a	352	
FL 41 @ 3'	n/a	160	
FL 42 @ 3'	n/a	356	
FL 43 @ 3'	n/a	160	
FL 44 @ 3'	n/a	120	
FL 45 @ 3'	n/a	188	
FL 46 @ 3'	n/a	316	
FL 48 @ 3'	n/a	216	
FL 50 @ 3'	n/a	352	
FL 51 @ 3'	n/a	244	
FL 58 @ 3'	n/a	188	
FL 59 @ 3'	n/a	280	
FL 68 @ 3'	n/a	216	
FL 70 @ 3'	n/a	160	
FL 1 @ 2'	n/a	440	
FL 2 @ 2'		488	
FL 3 @ 2'		396	
FL 4 @ 2'		316	
FL 5 @ 2'		352	
FL 6 @ 2'		440	
FL 7 @ 2'		396	
FL 9 @ 2'		488	
FL 21 @ 2'		352	

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

Sample Log

Date: _____

Project: Ruger MP 31

Project Number: 14502

Latitude: 32.6121

Longitude: -104.12175

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 78 b @ 3'	n/a	7 2500	
FL 80 b @ 3'	n/a	7 2500	
FL 82 b @ 3'	n/a	7 2500	
FL 91 b @ 3'	n/a	900	
FL 92 b @ 3'	n/a	900	
FL 93 b @ 3'	n/a	244	
FL 94 b @ 3'	n/a	1292	
FL 95 b @ 3'	n/a	188	
FL 96 b @ 3'	n/a	440	
FL 97 b @ 3'	n/a	188	
FL 100 b @ 3'	n/a	280	
FL 102 b @ 3'	n/a	188	
FL 103 b @ 3'	n/a	188	
FL 104 b @ 3'	n/a	352	
FL 126 b @ 3'	n/a	116	
FL 130 b @ 3'	n/a	160	
FL 132 b @ 3'	n/a	188	
FL 132 b @ 3'	n/a	136	
FL 133 b @ 3'	n/a	< 120	
FL 78 c @ 4'	n/a	352	
FL 80 c @ 4'	n/a	280	
FL 81 c @ 4'	n/a	592	
FL 91 c @ 4'	n/a	244 352	
FL 92 c @ 4'	n/a	592	
FL 94 c @ 4'	n/a	592	
SW 5 b @ 3'	n/a	7 2500	
FL 134 b @ 3'	n/a	< 120	
FL 135 b @ 3'	n/a	488	
FL 136 b @ 3'	n/a	488	
FL 137 b @ 3'	n/a	< 120	
FL 138 b @ 3'	n/a	< 120	
FL 139 b @ 3'	n/a	< 120	
FL 140 b @ 3'	n/a	136	
FL 141 b @ 3'	n/a	188	
SW 5 c @ 4'	n/a	188	
FL 81 d @ 5'	n/a	352	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



Soil Profile

Date: _____

Project: Ruger MP 31

Project Number: 14502 Latitude: 32.6121 Longitude: -104.12175

Depth (ft. bgs)

Description

1	0-2'	Caliche, rock
2		
3	2-4'	Caliche, sand
4		
5	4-6'	Sand
6		
7		
8		
9		
10		
11		
12		
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16		
17		
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Appendix C

Photographic Log


Photographic Log

Photo Number: 1	 <p>3/22/22, 7:46 AM +32.612126,-104.119726 NM, Carlsbad</p>
Photo Direction: North-Northwest	
Photo Description: View of the excavated area.	

Photo Number: 2	 <p>3/22/22, 7:46 AM +32.612126,-104.119726 NM, Carlsbad</p>
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 3	
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 4	
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photographic Log


Photo Number: 5	
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 6	
Photo Direction: East-Southeast	
Photo Description: View of the excavated area.	

Photographic Log


Photo Number: 7	 <p>Mar 29, 2022 at 11:20:48 AM +32.591162,-104.118365 Eddy County</p>
Photo Direction: Northwest	
Photo Description: View of the remediated area after backfilling and regrading.	

Photo Number: 8	 <p>Mar 29, 2022 at 2:21:32 PM +32.634598,-104.118278 Eddy County</p>
Photo Direction: Northeast	
Photo Description: View of the remediated area after backfilling and regrading.	

Photographic Log



Photo Number: 9	 <p>Mar 29, 2022 at 2:22:04 PM +32.634598,-104.118278 Eddy County</p>
Photo Direction: West	
Photo Description: View of the remediated area after backfilling and regrading.	

Photo Number: 10	 <p>Mar 29, 2022 at 2:22:53 PM +32.634598,-104.118278 Eddy County</p>
Photo Direction: North-Northeast	
Photo Description: View of the remediated area after backfilling and regrading.	

Appendix D

Laboratory Analytical Reports



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

July 26, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: RUGER 31 MP FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 07/22/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 1 @ 6" (H211931-01)

BTX 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	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	07/23/2021	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	07/23/2021	ND	191	95.6	200	10.8	
DRO >C10-C28*	22.8	10.0	07/23/2021	ND	180	90.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.6 % 38.9-142

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



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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 2 @ 6" (H211931-02)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5860	16.0	07/23/2021	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	07/23/2021	ND	191	95.6	200	10.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	180	90.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 3 @ 6" (H211931-03)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	07/23/2021	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	07/23/2021	ND	191	95.6	200	10.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	180	90.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 70.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 4 @ 6" (H211931-04)

BTX 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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 135 % 38.9-142

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Analytical Results For:

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 JOEL LOWRY
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 5 @ 6" (H211931-05)

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	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 6 @ 6" (H211931-06)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 7 @ 6" (H211931-07)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.0 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 8 @ 6" (H211931-08)

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	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 9 @ 6" (H211931-09)

BTX 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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88		
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6		
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 83.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 10 @ 6" (H211931-10)

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	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.1 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 11 @ 6" (H211931-11)

BTX 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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7000	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 12 @ 6" (H211931-12)

BTX 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	07/25/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/25/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.12	102	6.00	3.29		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 13 @ 6" (H211931-13)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 14 @ 6" (H211931-14)

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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 15 @ 6" (H211931-15)

BTX 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	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88		
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6		
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 16 @ 6" (H211931-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.8 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 17 @ 6" (H211931-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.95	97.7	2.00	3.21		
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 18 @ 6" (H211931-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.95	97.7	2.00	3.21	
Toluene*	<0.050	0.050	07/23/2021	ND	2.09	105	2.00	3.37	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.04	102	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.12	102	6.00	3.29	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	07/23/2021	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.3 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 19 @ 6" (H211931-19)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 20 @ 6" (H211931-20)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.4 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 21 @ 6" (H211931-21)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 22 @ 6" (H211931-22)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610	
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 23 @ 6" (H211931-23)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

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	07/23/2021	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	07/23/2021	ND	168	84.1	200	9.88	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	166	82.8	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.4 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 24 @ 6" (H211931-24)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

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	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 25 @ 6" (H211931-25)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

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	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 26 @ 6" (H211931-26)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.3 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 27 @ 6" (H211931-27)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610	
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9400	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 28 @ 6" (H211931-28)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.6 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 29 @ 6" (H211931-29)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.8 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 30 @ 6" (H211931-30)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8		
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8		
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 61.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 53.6 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 31 @ 6" (H211931-31)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8		
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8		
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 73.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.1 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 32 @ 6" (H211931-32)

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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.2 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 33 @ 6" (H211931-33)

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	07/23/2021	ND	1.89	94.4	2.00	0.610	
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

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	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.8 % 38.9-142

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Analytical Results For:

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 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 34 @ 6" (H211931-34)

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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8		
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8		
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 71.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 35 @ 6" (H211931-35)

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	07/23/2021	ND	1.89	94.4	2.00	0.610	
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.4 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 36 @ 6" (H211931-36)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

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	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8		
DRO >C10-C28*	192	10.0	07/23/2021	ND	191	95.7	200	12.8		
EXT DRO >C28-C36	145	10.0	07/23/2021	ND						

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 37 @ 6" (H211931-37)

BTX 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	07/23/2021	ND	1.89	94.4	2.00	0.610	
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 70.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.8 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 38 @ 6" (H211931-38)

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	07/23/2021	ND	1.89	94.4	2.00	0.610		
Toluene*	<0.050	0.050	07/23/2021	ND	1.96	98.1	2.00	0.498		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.95	97.3	2.00	1.54		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.03	100	6.00	2.03		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	07/23/2021	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 39 @ 6" (H211931-39)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 75.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.7 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 40 @ 6" (H211931-40)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.2 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 41 @ 6" (H211931-41)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 42 @ 6" (H211931-42)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15000	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 72.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.6 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 43 @ 6" (H211931-43)

BTX 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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	07/23/2021	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	07/23/2021	ND	190	94.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	191	95.7	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.5 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 44 @ 6" (H211931-44)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.7 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 45 @ 6" (H211931-45)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.4 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 46 @ 6" (H211931-46)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 47 @ 6" (H211931-47)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 48 @ 6" (H211931-48)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 49 @ 6" (H211931-49)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 50 @ 6" (H211931-50)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	79.6	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	20.6	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.3 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 51 @ 6" (H211931-51)

BTX 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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.1 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 52 @ 6" (H211931-52)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.7 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 53 @ 6" (H211931-53)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/23/2021	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	07/25/2021	ND	200	100	200	2.44		
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56		
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND						

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 54 @ 6" (H211931-54)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 55 @ 6" (H211931-55)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 56 @ 6" (H211931-56)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.3 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 57 @ 6" (H211931-57)

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	07/23/2021	ND	1.93	96.3	2.00	2.11		
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71		
Total BTEX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	07/23/2021	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.0 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 58 @ 6" (H211931-58)

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	07/23/2021	ND	1.93	96.3	2.00	2.11	
Toluene*	<0.050	0.050	07/23/2021	ND	2.03	102	2.00	6.48	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	1.96	98.0	2.00	6.89	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	5.83	97.1	6.00	7.71	
Total BTEX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/23/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.3 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 59 @ 6" (H211931-59)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/23/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/26/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 60 @ 6" (H211931-60)

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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/23/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.5 % 38.9-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 120

Company Name: E-Tech Environmental Project Manager: Joel Lowry Address: 3600 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: Project #: 14336 Project Owner: Newbome Project Name: Roger 31 MP Fed Ht Project Location: Rural Eddy Co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: E-Tech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	(GRAB OR C) COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL:	OTHER :	DATE	TIME															
H211931						X				X			7/26/21		Chlorides	BTEX	TPH												
1 FL1 @ 6"															X	X	X												
2 FL2 @ 6"																													
3 FL3 @ 6"																													
4 FL4 @ 6"																													
5 FL5 @ 6"																													
6 FL6 @ 6"																													
7 FL7 @ 6"																													
8 FL8 @ 6"																													
9 FL9 @ 6"																													
10 FL10 @ 6"																													

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Relinquished By:	Date: 7.22.21 Time: 1640	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C -6.9	Sample Condition	REMARKS: PM @ etechenv.com
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		CHECKED BY: (Initials) JO	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None
			<input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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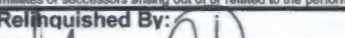
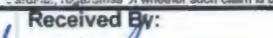
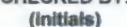
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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Relinquished By: 		Date: 7-22-21	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____
Time: 1640		Time: _____	All Results are emailed. Please provide Email address: _____	
Relinquished By: _____		Date: _____	Received By: _____	REMARKS: PM @ etecheny.com
Time: _____		Time: _____		
Delivered By: (Circle One)	Observed Temp. °C -6.9	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other: _____	Corrected Temp. °C _____	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #113 Correction Factor None
				Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
				Observed Temp. °C _____ Corrected Temp. °C _____

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: ETech Environmental				BILL TO				ANALYSIS REQUEST																			
Project Manager: Joel Lowry				P.O. #:																							
Address: 3100 Plains Hwy				Company: ETech																							
City: Lovington State: NM Zip: 88260				Attn:																							
Phone #: 575-396-2378 Fax #:				Address:																							
Project #: 14336 Project Owner: Newbourne				City:																							
Project Name: Ruger 31 mp Fed 1H				State: Zip:																							
Project Location: Rural Eddy Co NM				Phone #:																							
Sampler Name: Miguel Ramirez				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
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													
H211931																											
21	FL 21 @ 6"					X							7/20/21		Chlorides	BTEX	TPH										
22	FL 22 @ 6"																										
23	FL 23 @ 6"																										
24	FL 24 @ 6"																										
25	FL 25 @ 6"																										
26	FL 26 @ 6"																										
27	FL 27 @ 6"																										
28	FL 28 @ 6"																										
29	FL 29 @ 6"																										
30	FL 30 @ 6"																										

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Relinquished By:	Date: 7-22-21	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 1640			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: PM @ etachenr.com
Time:			
Delivered By: (Circle One)	Observed Temp. °C -6.9	Sample Condition Cool Intact	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None
			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 18

Company Name: <u>ETech Environmental</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Joel Lowry</u>				P.O. #:																			
Address: <u>3100 Plains Hwy</u>				Company: <u>ETech</u>																			
City: <u>Livingston</u> State: <u>NM</u> Zip: <u>88260</u>				Attn:																			
Phone #: <u>575-396-2378</u> Fax #:				Address:																			
Project #: <u>14336</u> Project Owner: <u>Newbourne</u>				City:																			
Project Name: <u>Ruger 31 mp Fed 14</u>				State: Zip:																			
Project Location: <u>Rural Eddy Co, NM</u>				Phone #:																			
Sampler Name: <u>Miguel Ramirez</u>				Fax #:																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
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									
<u>H211931</u>															<u>Chlorides</u>	<u>BTEX</u>	<u>TPH</u>						
<u>31</u>	<u>FL 31 @ 6"</u>	<u>✓</u>	<u>1</u>			<u>X</u>					<u>✓</u>		<u>7/20/21</u>		<u>X</u>	<u>X</u>	<u>X</u>						
<u>32</u>	<u>FL 32 @ 6"</u>																						
<u>33</u>	<u>FL 33 @ 6"</u>																						
<u>34</u>	<u>FL 34 @ 6"</u>																						
<u>35</u>	<u>FL 35 @ 6"</u>																						
<u>36</u>	<u>FL 36 @ 6"</u>																						
<u>37</u>	<u>FL 37 @ 6"</u>																						
<u>38</u>	<u>FL 38 @ 6"</u>																						
<u>39</u>	<u>FL 39 @ 6"</u>																						
<u>40</u>	<u>FL 40 @ 6"</u>																						

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Relinquished By: <u>[Signature]</u>		Date: <u>7-22-21</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1640</u>		Time: <u>1640</u>		All Results are emailed. Please provide Email address:		
Relinquished By: <u>[Signature]</u>		Date: <u>7-22-21</u>	Received By: <u>[Signature]</u>		REMARKS: <u>pm@etechenv.com</u>	
Time: <u>1640</u>		Time: <u>1640</u>				
Delivered By: (Circle One)		Observed Temp. °C <u>-6.9</u>	Sample Condition		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
			CHECKED BY: (Initials) <u>[Signature]</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
					Observed Temp. °C	
					Corrected Temp. °C	
					Thermometer ID #113	
					Correction Factor None	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: ETech Environmental				BILL TO				ANALYSIS REQUEST																																																													
Project Manager: Joel Lowry				P.O. #:																																																																	
Address: 3100 Plains Hwy				Company: ETech																																																																	
City: Lovington State: NM Zip: 88260				Attn:																																																																	
Phone #: 575-396-2378 Fax #:				Address:																																																																	
Project #: 14336 Project Owner: Menbourne				City:																																																																	
Project Name: Ruger 31 NP Fed 14				State: Zip:																																																																	
Project Location: Rural Eddy Co, NM				Phone #:																																																																	
Sampler Name: Miguel Ramirez				Fax #:																																																																	
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																																											
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																																									
H211931				C		1						Y										X		7/25/21						Chlorides BTEX TPA																																							
41		FL 41 @ 6"		↓		↓						↓										↓								X																																							
42		FL 42 @ 6"		↓		↓						↓										↓								X																																							
43		FL 43 @ 6"		↓		↓						↓										↓								X																																							
44		FL 44 @ 6"		↓		↓						↓										↓																																															
45		FL 45 @ 6"		↓		↓						↓										↓																																															
46		FL 46 @ 6"		↓		↓						↓										↓																																															
47		FL 47 @ 6"		↓		↓						↓										↓																																															
48		FL 48 @ 6"		↓		↓						↓										↓																																															
49		FL 49 @ 6"		↓		↓						↓										↓																																															
50		FL 50 @ 6"		↓		↓						↓										↓																																															
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Relinquished By: [Signature]										Date: 7-22-21 Time: 1640										Received By: [Signature]										Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com																																							
Relinquished By:										Date:										Received By:										REMARKS:																																							
Time:										Time:																																																											
Delivered By: (Circle One)										Observed Temp. °C -6.9										Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>										CHECKED BY: (Initials) YD										Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>										Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>																			
Sampler - UPS - Bus - Other:										Corrected Temp. °C										<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No																				Thermometer ID #113 Correction Factor None										<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No																			
																																																		Observed Temp. °C										Corrected Temp. °C									



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mariland, Hobbs, NM 88240
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Company Name: Etech Environmental Project Manager: Joel Lowry Address: 3100 Plains HW City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: Project #: 14336 Project Owner: Newbourne Project Name: Ruger 31 MP Fed 114 Project Location: Rural Eddy Co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: Etech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
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												
H211931						X					X		7/20/21													
51	FL 51 @ 6"																									
52	FL 52 @ 6"																									
53	FL 53 @ 6"																									
54	FL 54 @ 6"																									
55	FL 55 @ 6"																									
56	FL 56 @ 6"																									
57	FL 57 @ 6"																									
58	FL 58 @ 6"																									
59	FL 59 @ 6"																									
60	FL 60 @ 6"																									

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Relinquished By: <i>[Signature]</i> Date: 7-22-21 Time: 4:40		Received By: <i>[Signature]</i> Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By: Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.9 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113 Correction Factor None	

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

July 27, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: RUGER 31 MP FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 07/22/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 61 @ 6" (H211933-01)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/26/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 62 @ 6" (H211933-02)

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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/26/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.5 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 63 @ 6" (H211933-03)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/26/2021	ND	432	108	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	07/25/2021	ND	200	100	200	2.44		
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	206	103	200	5.56		
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND						

Surrogate: 1-Chlorooctane 90.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.6 % 38.9-142

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 64 @ 6" (H211933-04)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/26/2021	ND	432	108	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	07/23/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.0 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 65 @ 6" (H211933-05)

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	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5330	16.0	07/26/2021	ND	432	108	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	07/23/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.4 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 66 @ 6" (H211933-06)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.6 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 67 @ 6" (H211933-07)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 68 @ 6" (H211933-08)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	137	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	94.2	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 67.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 69 @ 6" (H211933-09)

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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 68.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.9 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 70 @ 6" (H211933-10)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTX	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 72.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.5 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 71 @ 6" (H211933-11)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 P.O. Box 301
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 72 @ 6" (H211933-12)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 73 @ 6" (H211933-13)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1400	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 74 @ 6" (H211933-14)

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	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.9 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 75 @ 6" (H211933-15)

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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 76 @ 6" (H211933-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2021	ND	1.98	98.8	2.00	1.81		
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84		
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43		
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912		
Total BTEx	<0.300	0.300	07/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13700	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.3 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 77 @ 6" (H211933-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTEx	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	07/26/2021	ND	432	108	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 72.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.6 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 78 @ 6" (H211933-18)

BTX 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	07/23/2021	ND	1.98	98.8	2.00	1.81	
Toluene*	<0.050	0.050	07/23/2021	ND	2.12	106	2.00	1.84	
Ethylbenzene*	<0.050	0.050	07/23/2021	ND	2.06	103	2.00	1.43	
Total Xylenes*	<0.150	0.150	07/23/2021	ND	6.17	103	6.00	0.912	
Total BTX	<0.300	0.300	07/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	07/26/2021	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	202	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	146	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 69.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 79 @ 6" (H211933-19)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5	
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/26/2021	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 80 @ 6" (H211933-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5	
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3	
Total BTEx	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	07/26/2021	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 81 @ 6" (H211933-21)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5	
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/26/2021	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 82 @ 6" (H211933-22)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

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	07/26/2021	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	07/24/2021	ND	212	106	200	4.51		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 75.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.9 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 83 @ 6" (H211933-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/24/2021	ND	212	106	200	4.51	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	212	106	200	2.79	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.3 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 84 @ 6" (H211933-24)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5	
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5330	16.0	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 85 @ 6" (H211933-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 86 @ 6" (H211933-26)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.3 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 87 @ 6" (H211933-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5	
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3	
Total BTEx	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.8 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 88 @ 6" (H211933-28)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.0 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 89 @ 6" (H211933-29)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	07/26/2021	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	07/23/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.1 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 90 @ 6" (H211933-30)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 91 @ 6" (H211933-31)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80		
DRO >C10-C28*	729	10.0	07/24/2021	ND	209	105	200	0.690		
EXT DRO >C28-C36	193	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 92 @ 6" (H211933-32)

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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1260	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.6 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 93 @ 6" (H211933-33)

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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.8 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 94 @ 6" (H211933-34)

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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.1 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 95 @ 6" (H211933-35)

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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 96 @ 6" (H211933-36)

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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 97 @ 6" (H211933-37)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 89.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.8 % 38.9-142

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Analytical Results For:

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 98 @ 6" (H211933-38)

BTX 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	07/24/2021	ND	2.00	99.9	2.00	10.5		
Toluene*	<0.050	0.050	07/24/2021	ND	2.13	106	2.00	11.8		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	2.04	102	2.00	12.1		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	6.11	102	6.00	11.3		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/26/2021	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 99@ 6" (H211933-39)

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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTEX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 100 @ 6" (H211933-40)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 101 @ 6" (H211933-41)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 102 @ 6" (H211933-42)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12400	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 103 @ 6" (H211933-43)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9330	16.0	07/26/2021	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	07/24/2021	ND	205	102	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	209	105	200	0.690	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.6 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 104 @ 6" (H211933-44)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	07/26/2021	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	07/23/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 105 @ 6" (H211933-45)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5860	16.0	07/26/2021	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	07/23/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/23/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/23/2021	ND					

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.0 % 38.9-142

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 106 @ 6" (H211933-46)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-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	07/26/2021	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	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.7 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 107 @ 6" (H211933-47)

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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTEX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/26/2021	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	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 73.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.1 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 108 @ 6" (H211933-48)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/26/2021	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	07/24/2021	ND	218	109	200	2.44		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 76.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 109 @ 6" (H211933-49)

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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTEx	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/26/2021	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	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.8 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 110 @ 6" (H211933-50)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	07/26/2021	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	07/24/2021	ND	218	109	200	2.44		
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58		
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND						

Surrogate: 1-Chlorooctane 77.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 111 @ 6" (H211933-51)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10100	16.0	07/26/2021	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	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 112 @ 6" (H211933-52)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	07/26/2021	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	07/24/2021	ND	218	109	200	2.44	
DRO >C10-C28*	<10.0	10.0	07/24/2021	ND	205	103	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	07/24/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.2 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 113 @ 6" (H211933-53)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/26/2021	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	07/25/2021	ND	214	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	214	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 114 @ 6" (H211933-54)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/26/2021	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	07/25/2021	ND	214	107	200	1.73	
DRO >C10-C28*	341	10.0	07/25/2021	ND	214	107	200	1.28	
EXT DRO >C28-C36	114	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.2 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 115 @ 6" (H211933-55)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	07/26/2021	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	07/25/2021	ND	214	107	200	1.73	
DRO >C10-C28*	16.9	10.0	07/25/2021	ND	214	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 73.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.5 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 116 @ 6" (H211933-56)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/26/2021	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	07/25/2021	ND	214	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	214	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.2 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 117 @ 6" (H211933-57)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77	
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17	
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29	
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89	
Total BTX	<0.300	0.300	07/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/26/2021	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	07/25/2021	ND	214	107	200	1.73	
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	214	107	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.1 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/20/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 118 @ 6" (H211933-58)

BTX 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	07/24/2021	ND	1.79	89.5	2.00	3.77		
Toluene*	<0.050	0.050	07/24/2021	ND	1.92	96.1	2.00	4.17		
Ethylbenzene*	<0.050	0.050	07/24/2021	ND	1.87	93.4	2.00	4.29		
Total Xylenes*	<0.150	0.150	07/24/2021	ND	5.64	94.0	6.00	3.89		
Total BTX	<0.300	0.300	07/24/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	07/26/2021	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	07/25/2021	ND	214	107	200	1.73		
DRO >C10-C28*	<10.0	10.0	07/25/2021	ND	214	107	200	1.28		
EXT DRO >C28-C36	<10.0	10.0	07/25/2021	ND						

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.1 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 119 @ 6" (H211933-59)

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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTEX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.7 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 120 @ 6" (H211933-60)

BTX 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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	16.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 73.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.0 % 38.9-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 18

Company Name: Etech Environmental				BILL TO				ANALYSIS REQUEST															
Project Manager: Joel Lowry				P.O. #:																			
Address: 3100 Plains Hwy				Company: Etech																			
City: Lovington State: NM Zip: 88260				Attn:																			
Phone #: 575-396-2370 Fax #:				Address:																			
Project #: 14336 Project Owner: Newbourn				City:																			
Project Name: Ruge 31 MP Fed 14				State: Zip:																			
Project Location: Rural Eddy co, NM				Phone #:																			
Sampler Name: Miguel Ramirez				Fax #:																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
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	Chlorides	BTEX	TPH						
H211933		X	1			X							7/20/01		X	X	X						
1	FL 61 @ 6"																						
2	FL 62 @ 6"																						
3	FL 63 @ 6"																						
4	FL 64 @ 6"																						
5	FL 65 @ 6"																						
6	FL 66 @ 6"																						
7	FL 67 @ 6"																						
8	FL 68 @ 6"																						
9	FL 69 @ 6"																						
10	FL 70 @ 6"																						

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Relinquished By:	Date: 7-22-21	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: 1640		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: Ben@ekchenr.com
	Time:		
Delivered By: (Circle One)	Observed Temp. °C -6.9	Sample Condition	Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		CHECKED BY: (Initials) +0	Thermometer ID #113 Correction Factor None
			Corrected Temp. °C

FORM-006 R 3.1 08/04/20

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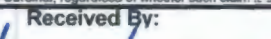
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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Relinquished By: 		Date: <u>7-22-21</u>	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____
Time: <u>1640</u>		Time: _____	Received By: _____	All Results are emailed. Please provide Email address: _____
Relinquished By: _____		Date: _____	Received By: _____	REMARKS: <u>PM @ etcchen.v.com</u>
Time: _____		Time: _____	Time: _____	Time: _____
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) <u>JO</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other: _____	Corrected Temp. °C _____	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #113 Correction Factor None	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C _____

FORM-008 R 3.1 08/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9 of 18

Company Name: ETech Environmental				BILL TO				ANALYSIS REQUEST																																													
Project Manager: Joel Lowry				P.O. #:																																																	
Address: 3100 Plains Hwy				Company: ETech																																																	
City: Lovington State: NM Zip: 88260				Attn:																																																	
Phone #: 575-396-0378 Fax #:				Address:																																																	
Project #: 14336 Project Owner: Menbourn				City:																																																	
Project Name: Ryger 31 mp Fed 1H				State: Zip:																																																	
Project Location: Rural Eddy co, NM				Phone #:																																																	
Sampler Name: Miguel Ramirez				Fax #:																																																	
FOR LAB USE ONLY				MATRIX		PRESERV.														SAMPLING		Chlorides BTEX TPH																															
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	
H211933				C		1																														X										X		X		7/20/01			
21 FL81 @ 6"																																																					
22 FL82 @ 6"																																																					
23 FL83 @ 6"																																																					
24 FL84 @ 6"																																																					
25 FL85 @ 6"																																																					
26 FL86 @ 6"																																																					
27 FL87 @ 6"																																																					
28 FL88 @ 6"																																																					
29 FL89 @ 6"																																																					
30 FL90 @ 6"																																																					
<p>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above state's reasons or otherwise.</p>																																																					
Relinquished By: [Signature]				Date: 7-22-01				Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																																									
Time: 1640				Time: 1640				All Results are emailed. Please provide Email address:																																													
Relinquished By: [Signature]				Date: 7-22-01				Received By: [Signature]				Pm@etechenv.com																																									
Time: 1640				Time: 1640				REMARKS:																																													
Delivered By: (Circle One)				Observed Temp. °C -6.9				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) JS				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>																																					
Sampler - UPS - Bus - Other:				Corrected Temp. °C												Thermometer ID #113 Correction Factor None																																					
																Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No																																					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

u
8/18

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575 396 0378 Fax #: Project #: 14336 Project Owner: Newberry Project Name: Ryger 31 MP Fed IH Project Location: Pura Field Co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
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		Chlorides BTEX TPH											
H211933										7/20/21															
41 FL10 @ 6"																									
42 FL10 @ 6"																									
43 FL10 @ 6"																									
44 FL10 @ 6"																									
45 FL10 @ 6"																									
46 FL10 @ 6"																									
47 FL107 @ 6"																									
48 FL107 @ 6"																									
49 FL109 @ 6"																									
50 FL110 @ 6"																									

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Relinquished By: Relinquished By:		Date: 7-22-21 Time: 1640 Date: Time:		Received By: Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.9 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) TO	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C		Thermometer ID #113 Correction Factor None			

FORM 000 R 3 1 0004/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

12
18

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575 396 0378 Fax #: Project #: 14336 Project Owner: MCB/BOURRY Project Name: Ryger 31 MP Fed 1H Project Location: Rural Eddy co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
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													
#211933													7/22/21	7/22/21													
51	FL11 @ 6"																										
52	FL12 @ 6"																										
53	FL13 @ 6"																										
54	FL14 @ 6"																										
55	FL15 @ 6"																										
56	FL16 @ 6"																										
57	FL17 @ 6"																										
58	FL18 @ 6"																										
59	FL19 @ 6"																										
60	FL20 @ 6"																										

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Relinquished By: Relinquished By:	Date: 7-22-21 Time: 1640 Date: Time:	Received By: Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -6.9 Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials) T.O.
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

FORM-000-R-3-1-06/04/20

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

July 27, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: RUGER 31 MP FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 07/22/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 121 @ 6" (H211934-01)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	0.061	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

Cardinal Laboratories

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 122 @ 6" (H211934-02)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	26.8	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 66.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.0 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 123 @ 6" (H211934-03)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 124 @ 6" (H211934-04)

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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTEX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.5 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 125 @ 6" (H211934-05)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	07/26/2021	ND	400	100	400	3.92		

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	07/26/2021	ND	213	106	200	3.37		
DRO >C10-C28*	4460	10.0	07/26/2021	ND	210	105	200	4.28		
EXT DRO >C28-C36	1770	10.0	07/26/2021	ND						

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 240 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 126 @ 6" (H211934-06)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	0.052	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/26/2021	ND	400	100	400	3.92	

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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	4110	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	1710	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 226 % 38.9-142

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 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 127 @ 6" (H211934-07)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 128 @ 6" (H211934-08)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	10.9	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.9 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 129 @ 6" (H211934-09)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	34.4	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	12.3	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 130 @ 6" (H211934-10)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.7 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 131 @ 6" (H211934-11)

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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	0.073	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 132 @ 6" (H211934-12)

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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	0.083	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 133 @ 6" (H211934-13)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13200	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 74.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.5 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 134 @ 6" (H211934-14)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15800	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.6 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 135 @ 6" (H211934-15)

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	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	0.068	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	449	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	155	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.1 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 136 @ 6" (H211934-16)

BTX 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	07/25/2021	ND	2.01	100	2.00	4.56	
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32	
Total BTX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	136	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	50.4	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.6 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 137 @ 6" (H211934-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	07/26/2021	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	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	216	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	77.4	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.2 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 138 @ 6" (H211934-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2021	ND	2.01	100	2.00	4.56		
Toluene*	<0.050	0.050	07/25/2021	ND	2.11	105	2.00	1.68		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.04	102	2.00	1.51		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.10	102	6.00	1.32		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	07/26/2021	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2021	ND	213	106	200	3.37	
DRO >C10-C28*	210	10.0	07/26/2021	ND	210	105	200	4.28	
EXT DRO >C28-C36	81.4	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 66.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.3 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 139 @ 6" (H211934-19)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17200	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75		
DRO >C10-C28*	39.7	10.0	07/26/2021	ND	206	103	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND						

Surrogate: 1-Chlorooctane 66.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.3 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 140 @ 6" (H211934-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16400	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	33.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.6 % 38.9-142

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Analytical Results For:

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 141 @ 6" (H211934-21)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	82.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	12.3	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.9 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 142 @ 6" (H211934-22)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.4 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 143 @ 6" (H211934-23)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 70.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.8 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 144 @ 6" (H211934-24)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.7 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 145 @ 6" (H211934-25)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.1 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 146 @ 6" (H211934-26)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.9 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 147 @ 6" (H211934-27)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.8 % 38.9-142

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Analytical Results For:

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 148 @ 6" (H211934-28)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.2 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 149 @ 6" (H211934-29)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.5 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 150 @ 6" (H211934-30)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.0 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 151 @ 6" (H211934-31)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75		
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23		
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND						

Surrogate: 1-Chlorooctane 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.5 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 152 @ 6" (H211934-32)

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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 63.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.5 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 153 @ 6" (H211934-33)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 66.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.0 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 154 @ 6" (H211934-34)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.0 % 38.9-142

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 P.O. Box 301
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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 155 @ 6" (H211934-35)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 66.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.4 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 156 @ 6" (H211934-36)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 65.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.1 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 157 @ 6" (H211934-37)

BTX 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	07/25/2021	ND	1.83	91.7	2.00	1.21		
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 158 @ 6" (H211934-38)

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	07/25/2021	ND	1.83	91.7	2.00	1.21	
Toluene*	<0.050	0.050	07/25/2021	ND	1.99	99.4	2.00	1.22	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.94	97.0	2.00	1.20	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.85	97.5	6.00	1.80	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/26/2021	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	07/26/2021	ND	199	99.5	200	2.75	
DRO >C10-C28*	26.1	10.0	07/26/2021	ND	206	103	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.3 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 159 @ 6" (H211934-39)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	221	110	200	4.32	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	232	116	200	7.27	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.2 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 160 @ 6" (H211934-40)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 1 (H211934-41)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.6 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 2 (H211934-42)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	170	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	77.7	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 3 (H211934-43)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16200	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	372	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	164	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 126 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 4 (H211934-44)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.8 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 5 (H211934-45)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 72.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 6 (H211934-46)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: EW 1 (H211934-47)

BTX 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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.9 % 38.9-142

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 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: EW 2 (H211934-48)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.8 % 38.9-142

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Analytical Results For:

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 JOEL LOWRY
 P.O. Box 301
 Lovington NM, 88260
 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: EW 3 (H211934-49)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: EW 4 (H211934-50)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SW 1 (H211934-51)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 106 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SW 2 (H211934-52)

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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTEx	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SW 3 (H211934-53)

BTX 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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15		
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96		
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND						

Surrogate: 1-Chlorooctane 98.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SW 4 (H211934-54)

BTX 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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTX	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Analytical Results For:

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 Fax To: (575) 396-1429

Received:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SW 5 (H211934-55)

BTX 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	07/25/2021	ND	2.03	101	2.00	7.28		
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WW 1 (H211934-56)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WW 2 (H211934-57)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	44.4	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WW 3 (H211934-58)

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	07/25/2021	ND	2.03	101	2.00	7.28	
Toluene*	<0.050	0.050	07/25/2021	ND	2.14	107	2.00	6.01	
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	2.08	104	2.00	6.75	
Total Xylenes*	<0.150	0.150	07/25/2021	ND	6.26	104	6.00	8.02	
Total BTEx	<0.300	0.300	07/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/26/2021	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	07/26/2021	ND	201	101	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	206	103	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WW 4 (H211934-59)

BTX 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	07/25/2021	ND	1.89	94.6	2.00	5.22		
Toluene*	<0.050	0.050	07/25/2021	ND	2.03	102	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.99	99.6	2.00	5.10		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.99	99.8	6.00	5.21		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2021	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	07/26/2021	ND	221	110	200	4.32	
DRO >C10-C28*	<10.0	10.0	07/26/2021	ND	232	116	200	7.27	
EXT DRO >C28-C36	<10.0	10.0	07/26/2021	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.4 % 38.9-142

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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:	07/22/2021	Sampling Date:	07/22/2021
Reported:	07/27/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WW 5 (H211934-60)

BTX 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	07/25/2021	ND	1.89	94.6	2.00	5.22		
Toluene*	<0.050	0.050	07/25/2021	ND	2.03	102	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/25/2021	ND	1.99	99.6	2.00	5.10		
Total Xylenes*	<0.150	0.150	07/25/2021	ND	5.99	99.8	6.00	5.21		
Total BTX	<0.300	0.300	07/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/26/2021	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	07/27/2021	ND	221	110	200	4.32	
DRO >C10-C28*	<10.0	10.0	07/27/2021	ND	232	116	200	7.27	
EXT DRO >C28-C36	<10.0	10.0	07/27/2021	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.8 % 38.9-142

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

13
18

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575 396 9378 Fax #: Project #: 14336 Project Owner: McWhourry Project Name: Ryger 31 mp Fed 1H Project Location: Rural Eddy co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER		ACID/BASE ICE / COOL OTHER		DATE TIME		Chlorides BTEX TPH											
		H211934		1 FL121 @ 6"		✓		X		7/22/21		X											
				2 FL122 @ 6"								X											
				3 FL123 @ 6"								X											
				4 FL124 @ 6"																			
				5 FL125 @ 6"																			
				6 FL126 @ 6"																			
				7 FL127 @ 6"																			
				8 FL128 @ 6"																			
				9 FL129 @ 6"																			
				10 FL130 @ 6"																			

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Relinquished By: Date: 7-22-21 Time: 1640		Received By: Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By: Date: Time:		Received By: Date: Time:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.9 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush		Thermometer ID #113 Correction Factor None		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	

FORM-000 R 3 1 00/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

14

Company Name: ETECH Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 505-396-2378 Fax #: Project #: 14336 Project Owner: Newberry Project Name: Ryger 31 MP Fed IH Project Location: Pura Edley co, NM Sampler Name: Miguel Ramirez				BILL TO				ANALYSIS REQUEST												
				P.O. #: Company: ETECH Attn: Address: City: State: Zip: Phone #: 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	Chlorides	BTEX	TPH										
	H211934																			
	11	FL131 @ 6"				X	7/22/21	X	X	X										
	12	FL132 @ 6"																		
	13	FL133 @ 6"																		
	14	FL134 @ 6"																		
	15	FL135 @ 6"																		
	16	FL136 @ 6"																		
	17	FL137 @ 6"																		
	18	FL138 @ 6"																		
	19	FL139 @ 6"																		
	20	FL140 @ 6"																		

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Relinquished By: _____ Date: 7-22-21 Time: 1640	Received By: _____ Date: _____ Time: _____	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: <u>Pm@etechenv.com</u> REMARKS: _____
Delivered By: (Circle One) _____ Sampler - UPS - Bus - Other: _____	Observed Temp. °C <u>-6.9</u> Corrected Temp. °C _____	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

Turnaround Time: Standard ☒ Rush ☐
 Thermometer ID #113
 Correction Factor None

Bacteria (only) Sample Condition Observed Temp. °C Corrected Temp. °C
☐ Yes ☐ No ☐ Yes ☐ No

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

19
18

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575 396 0378 Fax #: Project #: 14336 Project Owner: Newberry Project Name: Ryger 31 mp Fed 1H Project Location: Pura Eddy co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(GIRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H211934													7/22/21														
21	FL141 @ 6"																										
22	FL142 @ 6"																										
23	FL143 @ 6"																										
24	FL144 @ 6"																										
25	FL145 @ 6"																										
26	FL146 @ 6"																										
27	FL147 @ 6"																										
28	FL148 @ 6"																										
29	FL149 @ 6"																										
30	FL150 @ 6"																										

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Relinquished By: Relinquished By:	Date: 7-22-21 Time: 16:40 Date: Time:	Received By: Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.9 Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
Thermometer ID #113 Correction Factor None		CHECKED BY: (Initials) T.O.	

FORM-000 R 3-1 06/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

16
Pol 17

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575 396 0378 Fax #: Project #: 14336 Project Owner: McWherry Project Name: Ryger 31 mp Fed 1H Project Location: Pura Eddy co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
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									
4211934													7/22/21										
31	FL151 @ 6"																						
32	FL152 @ 6"																						
33	FL153 @ 6"																						
34	FL154 @ 6"																						
35	FL155 @ 6"																						
36	FL 156 @ 6"																						
37	FL 157 @ 6"																						
38	FL 158 @ 6"																						
39	FL 159 @ 6"																						
40	FL 160 @ 6"																						

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Relinquished By: Date: 7-22-21 Time: 1640 Relinquished By:	Received By: Date: 7-22-21 Time: 1640 Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C -6.9 Corrected Temp. °C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3-1 00/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

17 of 18

Company Name: ETech Environmental Project Manager: Joel Lowry Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88226 Phone #: 575 396 2376 Fax #: Project #: 14336 Project Owner: Mowbourne Project Name: Roger J. MP Fed 14 Project Location: Rural Eddy Co, NM Sampler Name: Miguel Ramirez				BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																																	
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																	
Lab I.D.		Sample I.D.		(S)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME		Chlorides BTEX TPH											
H211934																										7/22/21															
41 NW1																																									
42 NW2																																									
43 NW3																																									
44 NW4																																									
45 NW5																																									
46 NW6																																									
47 EW1																																									
48 EW2																																									
49 EW3																																									
50 EW4																																									

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Relinquished By: Date: 7-22-21 Time: 1640		Received By: Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: REMARKS: PM@ctechenv.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.9 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Thermometer ID #113 Correction Factor None		Observed Temp. °C Corrected Temp. °C	

FORM-006 R 3/16/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

18 of 18

~~Page 68 of 68~~

Company Name: Etech Environmental				BILL TO				ANALYSIS REQUEST											
Project Manager: Joel Lowry				P.O. #:															
Address: 3100 Plains Hwy				Company: Etech															
City: Lawton State: OK Zip: 7326				Attn:															
Phone #: 575 396 2370 Fax #:				Address:															
Project #: 14336 Project Owner: Mowbourn				City:															
Project Name: Ruger J1 NP Fed 14				State: Zip:															
Project Location: Rural Eddy Co NM				Phone #:															
Sampler Name: Miguel Ramirez				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING		<div>Chlorides BTEX TPH</div>									
H211934																			
51 SW1																			
52 SW2																			
53 SW3																			
54 SW4																			
55 SW5																			
56 WW1																			
57 WW2																			
58 WW3																			
59 WW4																			
60 WW5																			
<small>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																			
Relinquished By:				Date: 7-22-21				Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:							
Time: 1640												All Results are emailed. Please provide Email address:							
Relinquished By:				Date:				Received By:				REMARKS: PM@ctechenv.com							
Time:																			
Delivered By: (Circle One)				Observed Temp. °C -6.9				Sample Condition				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush							
Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>								CHECKED BY: (Initials) TO				Bacteria (only) Sample Condition							
Yes <input type="checkbox"/> No <input type="checkbox"/>												Cool Intact <input type="checkbox"/>							
No <input type="checkbox"/> Yes <input type="checkbox"/>												Yes <input type="checkbox"/> No <input type="checkbox"/>							
No <input type="checkbox"/> No <input type="checkbox"/>												No <input type="checkbox"/> No <input type="checkbox"/>							
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Thermometer ID #113				Corrected Temp. °C							
								Correction Factor None											



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

October 08, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER 31 MP FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 10/06/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/06/2021	Sampling Date:	10/05/2021
Reported:	10/08/2021	Sampling Type:	Soil
Project Name:	RUGER 31 MP FED 1H	Sampling Condition:	Cool & Intact
Project Number:	14336	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 55 @ 4' (H212793-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/08/2021	ND	416	104	400	0.00	

Sample ID: FL 56 @ 4' (H212793-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/08/2021	ND	416	104	400	0.00	

Sample ID: FL 57 @ 4' (H212793-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/08/2021	ND	416	104	400	3.77	QR-03

Sample ID: FL 65 @ 4' (H212793-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/08/2021	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/06/2021
 Reported: 10/08/2021
 Project Name: RUGER 31 MP FED 1H
 Project Number: 14336
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 66 @ 4' (H212793-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 67 @ 4' (H212793-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 75 @ 4' (H212793-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 76 @ 4' (H212793-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 77 @ 4' (H212793-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/08/2021	ND	416	104	400	3.77	

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/06/2021
 Reported: 10/08/2021
 Project Name: RUGER 31 MP FED 1H
 Project Number: 14336
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 86 @ 4' (H212793-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 87 @ 4' (H212793-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/08/2021	ND	416	104	400	3.77	

Sample ID: FL 88 @ 4' (H212793-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/08/2021	ND	416	104	400	3.77	

Sample ID: FL 89 @ 4' (H212793-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 105 @ 4' (H212793-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/08/2021	ND	416	104	400	3.77	

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/06/2021
 Reported: 10/08/2021
 Project Name: RUGER 31 MP FED 1H
 Project Number: 14336
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 110 @ 5' (H212793-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 111 @ 5' (H212793-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/08/2021	ND	416	104	400	3.77	

Sample ID: FL 112 @ 5' (H212793-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/08/2021	ND	416	104	400	3.77	

Sample ID: FL 114 @ 5' (H212793-18)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2021	ND	215	107	200	7.96	
DRO >C10-C28*	<10.0	10.0	10/08/2021	ND	213	107	200	0.584	
EXT DRO >C28-C36	<10.0	10.0	10/08/2021	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.1 % 38.9-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 10/06/2021
 Reported: 10/08/2021
 Project Name: RUGER 31 MP FED 1H
 Project Number: 14336
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/05/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 118 @ 5' (H212793-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 72 @ 4' (H212793-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 73 @ 4' (H212793-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/08/2021	ND	416	104	400	3.77		

Sample ID: FL 84 @ 4' (H212793-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/08/2021	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETech Environmental				BILL TO				ANALYSIS REQUEST											
Project Manager: Joel Lowry				P.O. #:															
Address: 2617 Marland				Company: ETech															
City: Hobbs State: NM Zip: 88240				Attn:															
Phone #: 575-964-2880 Fax #: -				Address:															
Project #: 14336 Project Owner: Newbourn				City:															
Project Name: Ruger 31 MP Fed 1H				State: Zip:															
Project Location: Rural Eddy co, NM				Phone #:															
Sampler Name: Miguel Ramirez				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H212793																			
1	FL 55 @ 4'	C	1			X					X		10/5/21		X				
2	FL 56 @ 4'																		
3	FL 57 @ 4'																		
4	FL 65 @ 4'																		
5	FL 66 @ 4'																		
6	FL 67 @ 4'																		
7	FL 75 @ 4'																		
8	FL 76 @ 4'																		
9	FL 77 @ 4'																		
10	FL 86 @ 4'																		

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Relinquished By:	Date: 10-6-21 Time: 1650	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
	Time:		REMARKS: pm@etechenv.com
Delivered By: (Circle One)	Observed Temp. °C 4.4	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9	Checked By: (Initials) TD	Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>
			Thermometer ID #113
			Correction Factor None -0.52
			Observed Temp. °C
			Corrected Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ETech Environmental				BILL TO				ANALYSIS REQUEST													
Project Manager: Joel Lowry				P.O. #:																	
Address: 2617 Marland				Company: ETech																	
City: Hobbs State: NM Zip: 88240				Attn:																	
Phone #: 505-964-2880 Fax #:				Address:																	
Project #: 14336 Project Owner: Mowbore				City:																	
Project Name: Ruger 31 MP Fed 1H				State: Zip:																	
Project Location: Rural Eddy Co, NM				Phone #:																	
Sampler Name: Miguel Ramirez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER															
						WASTEWATER															
						SOIL															
						OIL															
						SLUDGE															
						OTHER:															
						ACID/BASE:															
						ICE / COOL															
						OTHER:															
						DATE		TIME													
H212793				C 1																	
11 FL 87 @ 4'						X		X		10/5/21		X									
12 FL 88 @ 4'												X									
13 FL 89 @ 4'												X									
14 FL 105 @ 4'												X									
15 FL 110 @ 5'												X									
16 FL 111 @ 5'												X									
17 FL 112 @ 5'												X									
18 FL 114 @ 5'												X									
19 FL 118 @ 5'												X									
20 FL 12 @ 4'										10/6/21		X									

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Relinquished By:		Date: 10-6-21		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1650		Time: 1650		Time: 1650		All Results are emailed. Please provide Email address:	
Relinquished By:		Date: 10-6-21		Received By:		REMARKS: pm@etechenv.com	
Time: 1650		Time: 1650		Time: 1650		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Delivered By: (Circle One) UPS		Observed Temp. °C 4.4		Sample Condition Cool Intact		Bacteria (only) Sample Condition Cool Intact	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 3.9		CHECKED BY: (Initials) TO		Thermometer ID #113	
						Correction Factor None -0.52	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C 4	
						Corrected Temp. °C 3.9	

FORM-006 R 3.1 08/04/20

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



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

January 24, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER 31 MP FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 01/20/22 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 01/20/2022
 Reported: 01/24/2022
 Project Name: RUGER 31 MP FED 1H
 Project Number: 14336
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 01/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 19 (H220235-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/21/2022	ND	416	104	400	3.92		

Sample ID: FL 32 (H220235-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	01/21/2022	ND	416	104	400	3.92		

Sample ID: FL 125 (H220235-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/21/2022	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 14, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER MP 31

Enclosed are the results of analyses for samples received by the laboratory on 03/09/22 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 93 B @ 3' (H220952-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 95 B @ 3' (H220952-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 96 B @ 3' (H220952-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 100 B @ 3' (H220952-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2022	ND	416	104	400	3.92	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 102 B @ 3' (H220952-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/12/2022	ND	416	104	400	3.92		

Sample ID: FL 103 B @ 3' (H220952-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 104 B @ 3' (H220952-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 126 B @ 3' (H220952-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 130 B @ 3' (H220952-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/12/2022	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 131 B @ 3' (H220952-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/12/2022	ND	416	104	400	3.92		

Sample ID: FL 14 @ 3' (H220952-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 15 @ 3' (H220952-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 16 @ 3' (H220952-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 17 @ 3' (H220952-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2022	ND	432	108	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 18 @ 3' (H220952-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 20 @ 3' (H220952-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 27 @ 3' (H220952-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 28 @ 3' (H220952-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 29 @ 3' (H220952-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/12/2022	ND	432	108	400	7.69	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 30 @ 3' (H220952-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 31 @ 3' (H220952-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 39 @ 3' (H220952-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 40 @ 3' (H220952-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 41 @ 3' (H220952-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/12/2022	ND	432	108	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 42 @ 3' (H220952-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 43 @ 3' (H220952-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 45 @ 3' (H220952-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 46 @ 3' (H220952-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 48 @ 3' (H220952-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/12/2022	ND	432	108	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/09/2022
 Reported: 03/14/2022
 Project Name: RUGER MP 31
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: FL 50 @ 3' (H220952-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 51 @ 3' (H220952-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/12/2022	ND	432	108	400	7.69		

Sample ID: FL 58 @ 3' (H220952-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/14/2022	ND	416	104	400	0.00		

Sample ID: FL 59 @ 3' (H220952-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/14/2022	ND	416	104	400	0.00		

Sample ID: FL 68 @ 3' (H220952-34)

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	03/14/2022	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBORNE - EDDY CO NM		

Sample ID: FL 70 @ 3' (H220952-35)

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	03/14/2022	ND	416	104	400	0.00		

Sample ID: FL 97 B @ 3' (H220952-36)

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	03/14/2022	ND	416	104	400	0.00	

Sample ID: FL 132 B @ 3' (H220952-37)

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	03/14/2022	ND	416	104	400	0.00	

Sample ID: FL 133 B @ 3' (H220952-38)

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	03/14/2022	ND	416	104	400	0.00	

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

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						ANALYSIS REQUEST																			
Project Manager: Joel Lowry						P.O. #:						<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: P.O. Box 301						Company: Mewbourne																									
City: Lovington State: NM Zip: 88260						Attn:																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429						Address:																									
Project #: Project Owner: Mewbourne						City:																									
Project Name: Ruger MP 31						State: Zip:																									
Project Location: Carlsbad, Nm						Phone #:																									
Sampler Name: Tyler Griffin						Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																					
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																	
H22D952						X				X			3-9-22		X																
1	FL 936 @ 3'	C	1			X				X																					
2	FL 956 @ 3'																														
3	FL 966 @ 3'																														
4	FL 1006 @ 3'																														
5	FL 1026 @ 3'																														
6	FL 1036 @ 3'																														
7	FL 1046 @ 3'																														
8	FL 1266 @ 3'																														
9	FL 1306 @ 3'																														
10	FL 1316 @ 3'																														
<small>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By:				Date:		Received By:				Phone Result:				<input type="checkbox"/> Yes		<input type="checkbox"/> No		Add'l Phone #:													
				3-9-22						Fax Result:				<input type="checkbox"/> Yes		<input type="checkbox"/> No		Add'l Fax #:													
Relinquished By:				Time:		Received By:				REMARKS: Chloride only please Please email results to pm@etechenv.com.																					
				16:35																											
Delivered By: (Circle One)				Date:		Sample Condition				CHECKED BY:																					
Sampler - UPS - Bus - Other:				20.8°C #113		Cool Intact				(Initials)																					
				20.5°C		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																					
				20.3°C																											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joe Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: McWhourne																									
City: Lovington State: NM Zip: 88260				Attn:																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																									
Project #: 14336 Project Owner: McWhourne				City:																									
Project Name: Ruger 31 MP Fed 1H				State: Zip:																									
Project Location: Rural Eddy Co, NM				Phone #:																									
Sampler Name: Miguel Ramirez				Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																			
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	
H220952				C		1						X								X						3/9/22			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 14

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: Newbourn																									
City: Lovington		State: NM		Zip: 88260		Attn:																							
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																									
Project #: 14336		Project Owner: Newbourn		City:																									
Project Name: Ruger 31 MP Fed IH				State:																Zip:									
Project Location: Rural Eddy Co, NM				Phone #:																Fax #:									
Sampler Name: Miguel Ramirez																													
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																	
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	
H220952				C		1						X								X						3/9/22			
21		FL 31 @ 3'																											
22		FL 39 @ 3'																											
23		FL 40 @ 3'																											
24		FL 41 @ 3'																											
25		FL 42 @ 3'																											
26		FL 43 @ 3'																											
27		FL 45 @ 3'																											
28		FL 46 @ 3'																											
29		FL 48 @ 3'																											
30		FL 50 @ 3'																											

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Relinquished By: 	Date: 3/9/22 Time: 10:35	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS: Chlorides only please Please email results to pm@etechenv.com.
Relinquished By:	Date: Time:	Received By:	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	20.82 -28.30 #113	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials)
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FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 15, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER MP 31

Enclosed are the results of analyses for samples received by the laboratory on 03/10/22 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 78 C @ 4' (H220977-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 80 C @ 4' (H220977-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 81 D @ 5' (H220977-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 91 C @ 4' (H220977-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/14/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 03/10/2022
 Reported: 03/15/2022
 Project Name: RUGER MP 31
 Project Number: 14502
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 92 D @ 5' (H220977-05)

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	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 94 D @ 5' (H220977-06)

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	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 134 B @ 3' (H220977-07)

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	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 135 B @ 3' (H220977-08)

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	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 136 B @ 3' (H220977-09)

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	03/14/2022	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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: 03/10/2022
 Reported: 03/15/2022
 Project Name: RUGER MP 31
 Project Number: 14502
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 137 B @ 3' (H220977-10)

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	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 138 B @ 3' (H220977-11)

Chloride, SM4500CI-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	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 139 B @ 3' (H220977-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 140 B @ 3' (H220977-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2022	ND	416	104	400	3.77		

Sample ID: FL 141 B @ 3' (H220977-14)

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	03/14/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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: 03/10/2022
 Reported: 03/15/2022
 Project Name: RUGER MP 31
 Project Number: 14502
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SW 5 C @ 4' (H220977-15)

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	03/14/2022	ND	416	104	400	3.77		

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

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

Page 7 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: P.O. Box 301				Company: Newbourn																			
City: Lovington		State: NM		Zip: 88260		Attn:																	
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																			
Project #: 14502		Project Owner: Newbourn		City:																			
Project Name: Ruger MP 31		State:		Zip:																			
Project Location: Rural eddy county, NM				Phone #:																			
Sampler Name: Tyler Griffin				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING											
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL	
H220977																							
1		FL 78 c @ 4'		C		1																	
2		FL 80 c @ 4'																					
3		FL 81 d @ 5'																					
4		FL 91 c @ 4'																					
5		FL 92 d @ 5'																					
6		FL 94 d @ 5'																					
7		FL 134 b @ 3'																					
8		FL 135 b @ 3'																					
9		FL 136 b @ 3'																					
10		FL 137 b @ 3'																					
<p>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																							
Relinquished By: Tyler Griffin				Date: 3-10-22		Received By: Tamara Alda				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:									
				Time: 1440						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS:													
				Time:						Chloride only, please!													
Delivered By: (Circle One) 14.7°C				C-0.5°C		Sample Condition				CHECKED BY:													
Sampler - UPS - Bus - Other:				14.2°C #113		Cool Intact				(Initials)													
						<input type="checkbox"/> Yes <input type="checkbox"/> No				TO													

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



Page 8 of 8

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

March 18, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER MP 31

Enclosed are the results of analyses for samples received by the laboratory on 03/14/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/14/2022	Sampling Date:	03/14/2022
Reported:	03/18/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 1 @ 2' (H221010-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/16/2022	ND	416	104	400	0.00	

Sample ID: FL 2 @ 2' (H221010-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/16/2022	ND	416	104	400	0.00	

Sample ID: FL 3 @ 2' (H221010-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/16/2022	ND	416	104	400	0.00	

Sample ID: FL 4 @ 2' (H221010-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/16/2022	ND	416	104	400	0.00	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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: 03/14/2022
 Reported: 03/18/2022
 Project Name: RUGER MP 31
 Project Number: 14502
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 5 @ 2' (H221010-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	03/16/2022	ND	416	104	400	0.00		

Sample ID: FL 6 @ 2' (H221010-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	03/17/2022	ND	416	104	400	0.00		

Sample ID: FL 7 @ 2' (H221010-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	03/17/2022	ND	416	104	400	0.00	

Sample ID: FL 9 @ 2' (H221010-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	03/17/2022	ND	416	104	400	0.00	

Sample ID: NW 1 @ 2' (H221010-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/17/2022	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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:	03/14/2022	Sampling Date:	03/14/2022
Reported:	03/18/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: NW 2 @ 2' (H221010-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/17/2022	ND	416	104	400	0.00		

Sample ID: NW 3 @ 2' (H221010-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/17/2022	ND	416	104	400	0.00	

Sample ID: FL 21 @ 2' (H221010-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/17/2022	ND	416	104	400	0.00	

Sample ID: FL 22 @ 2' (H221010-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/17/2022	ND	416	104	400	0.00	

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL 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				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: Mawbournre																									
City: Lovington State: NM Zip: 88260				Attn:																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																									
Project #: 14502 Project Owner: Mawbournre				City:																									
Project Name: Ruger MP 31				State: Zip:																									
Project Location: Rural eddy county, NM				Phone #:																									
Sampler Name: Tyler Griffin				Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																			
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	
H721010																													
1		FL 1 @ 2'		C		1						X														3-14-22			
2		FL 2 @ 2'																											
3		FL 3 @ 2'																											
4		FL 4 @ 2'																											
5		FL 5 @ 2'																											
6		FL 6 @ 2'																											
7		FL 7 @ 2'																											
8		FL 9 @ 2'																											
9		NW 1 @ 2'																											
10		NW 2 @ 2'																											
<p>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By: Tyler Griffin				Date: 3-14-22				Received By: Amanda Elder				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: 1520								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By:				Date:				Received By:				REMARKS: Chloride only																	
				Time:																									
Delivered By: (Circle One) 21.7°C @ 0.5"				Sample Condition Cool Intact				CHECKED BY: (Initials) yo				Please email results to pm@etechenv.com.																	
Sampler - UPS - Bus - Other: 21.2°C #113				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									

**ARDINAL 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				ANALYSIS REQUEST														
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)														
Address: P.O. Box 301				Company: Newbourn																		
City: Lovington		State: NM		Zip: 88260		Attn:																
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																		
Project #: 14502		Project Owner:		City:																		
Project Name: Ruger MP 31				State:		Zip:																
Project Location: Rural eddy county, NM				Phone #:																		
Sampler Name: Tyler Griffin				Fax #:																		
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.		SAMPLING													
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:												
	H221010																					
	11	NW3 @ 2'		C1			X					X		3-14-22		X						
	12	FL 21 @ 2'		1			1							1		added to 3/14/22						
	13	FL 22 @ 2'		1			1							1								
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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																						
Relinquished By: Tyler Griffin			Date: 3-14-22		Time: 1530		Received By: Aurora Eldaker			Date:		Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No			Add'l Phone #:					
Relinquished By:			Date:		Time:		Received By:			Date:		Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No			Add'l Fax #:					
Delivered By: (Circle One)			21.7° C - 0.5°		Sample Condition		Cool Intact		CHECKED BY: (Initials)		chloride only! Please email results to pm@etechenv.com.											
Sampler - UPS - Bus - Other:			21.2° #113		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		40													



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

March 22, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER MP 31

Enclosed are the results of analyses for samples received by the laboratory on 03/18/22 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/18/2022	Sampling Date:	03/18/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 4 @ 3' (H221095-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/21/2022	ND	416	104	400	3.77	

Sample ID: FL 5 @ 3' (H221095-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/21/2022	ND	416	104	400	3.77	

Sample ID: FL 6 @ 3' (H221095-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/21/2022	ND	416	104	400	3.77	

Sample ID: FL 7 @ 3' (H221095-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/21/2022	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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: 03/18/2022
 Reported: 03/22/2022
 Project Name: RUGER MP 31
 Project Number: 14502
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 03/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FL 9 @ 3' (H221095-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/21/2022	ND	416	104	400	3.77		

Sample ID: FL 11 @ 3' (H221095-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/21/2022	ND	416	104	400	3.77		

Sample ID: FL 12 @ 3' (H221095-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/21/2022	ND	416	104	400	3.77	

Sample ID: FL 13 @ 3' (H221095-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/21/2022	ND	416	104	400	3.77	

Sample ID: NW 4 A @ 3' (H221095-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/21/2022	ND	416	104	400	3.77	

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: Mewbourne																									
City: Lovington State: NM Zip: 88260				Attn:																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																									
Project #: 14502 Project Owner: Mewbourne				City:																									
Project Name: Ruger MP 31				State: Zip:																									
Project Location: Rural eddy county, NM				Phone #:																									
Sampler Name: Tyler Griffin				Fax #:																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																			
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	
H221095																													
1 FL 4 @ 3'												X														3-18-22			
2 FL 5 @ 3'																													
3 FL 6 @ 3'																													
4 FL 7 @ 3'																													
5 FL 9 @ 3'																													
6 FL 11 @ 3'																													
7 FL 12 @ 3'																													
8 FL 13 @ 3'																													
9 NW 4 @ 3'																													
<p>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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By: Tyler Griffin				Date: 3-18-22		Received By: Tamara Oldaker				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: 1505						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Relinquished By:				Date:		Received By:				REMARKS:																			
				Time:						Chloride only, please!																			
Delivered By: (Circle One) 23.6 @ C-0.5				Sample Condition		CHECKED BY:				Please email results to pm@etechenv.com.																			
Sampler - UPS - Bus - Other: 23.1 @ #113				Cool Intact		(Initials)																							
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		V.O.																							

FORM-006
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

March 23, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RUGER MP 31

Enclosed are the results of analyses for samples received by the laboratory on 03/21/22 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 26 @ 2' (H221114-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/22/2022	ND	432	108	400	0.00	

Sample ID: FL 35 @ 2' (H221114-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/22/2022	ND	432	108	400	0.00	

Sample ID: FL 36 @ 2' (H221114-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/22/2022	ND	432	108	400	0.00	

Sample ID: FL 37 @ 2' (H221114-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/22/2022	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/23/2022	Sampling Type:	Soil
Project Name:	RUGER MP 31	Sampling Condition:	** (See Notes)
Project Number:	14502	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 38 @ 2' (H221114-05)

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	03/22/2022	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

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Page 5 of 5

Released to Imaging: 10/25/2022 2:40:36 PM

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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

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

CONDITIONS

Action 118446

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 118446
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Closure Report is approved. On future reports, all samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. To deviate from the rule, we need a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment. If this is not accomplished on future reports, the closure will be denied.	10/25/2022