

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?	_____ 65 _____ (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

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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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Closure

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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: _____

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

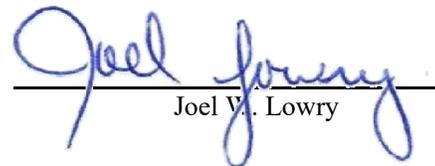
Prepared By:

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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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company (Mewbourne), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Ruger 31 MP Fed #1H Battery (henceforth, "Ruger 31 Battery"). Details of the release are summarized below:

Location of Release Source				
Latitude: _____	32.611941	Longitude: _____		
Provided GPS are in WGS84 format.				
Site Name: _____	Ruger 31 MP Fed #1H Battery	Site Type: _____		
Date Release Discovered: _____	6/16/2021	API # (if applicable): _____		
	Tank Battery	30-015-40242		
Unit Letter	Section	Township	Range	County
"M"	31	19S	29E	Eddy
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Private (Name _____)				
Nature and Volume of Release				
<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)		
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 900	Volume Recovered (bbls) 840		
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered		
Cause of Release: The tanks at the battery overflowed when (1) the water transfer pump failed, (2) the flowback hand assigned to monitor the tanks failed to check the tanks as scheduled, and (3) the flowback hand failed to stop the tanks from overflowing.				
Initial Response				
<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.				

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

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the 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?	<u>65'</u>	
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

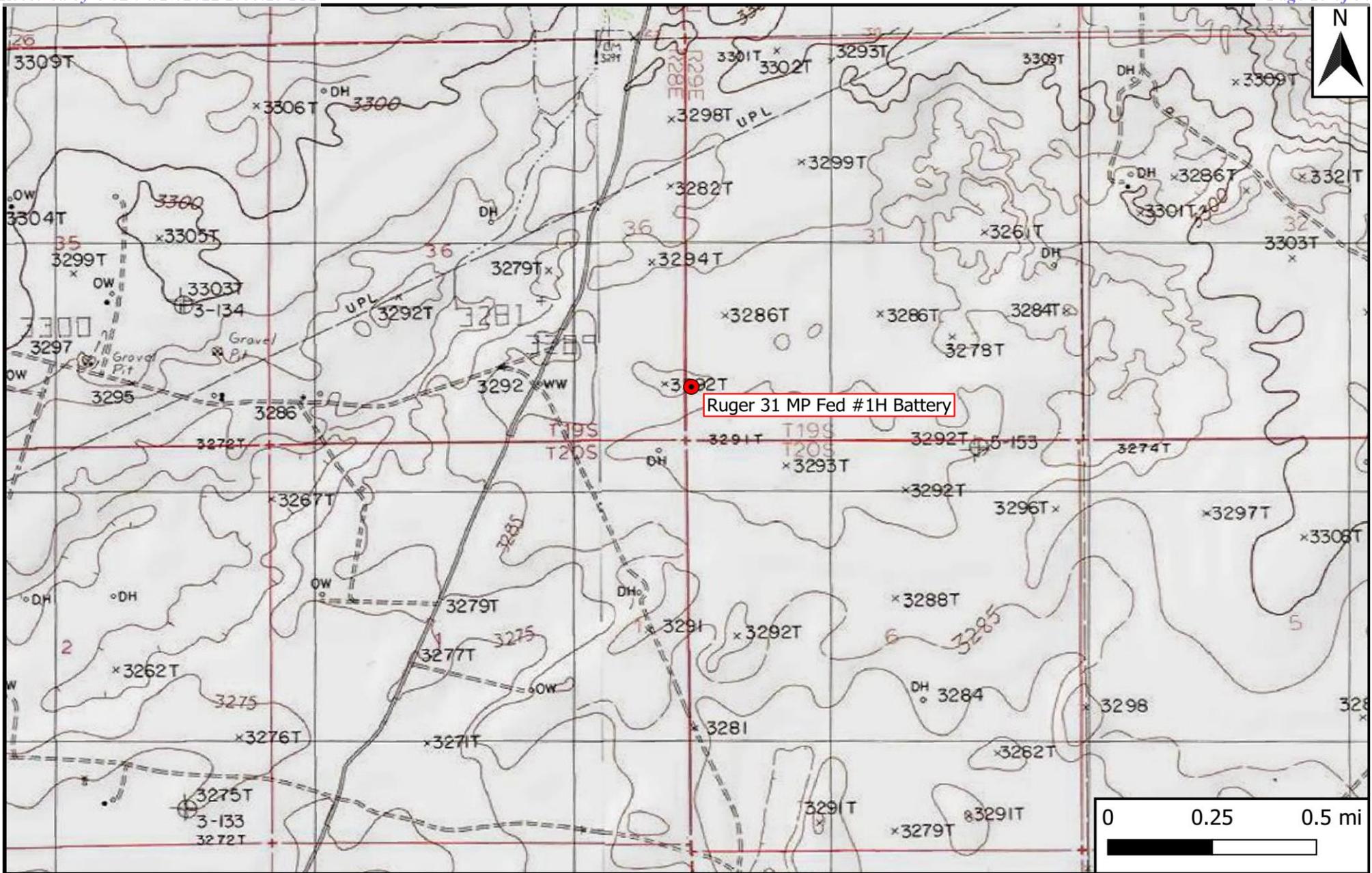
Bureau of Land Management

620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1 Topographic Map



Legend

- Site Location

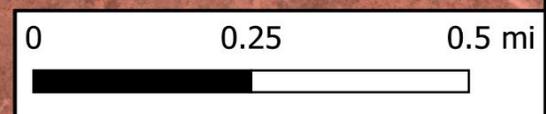
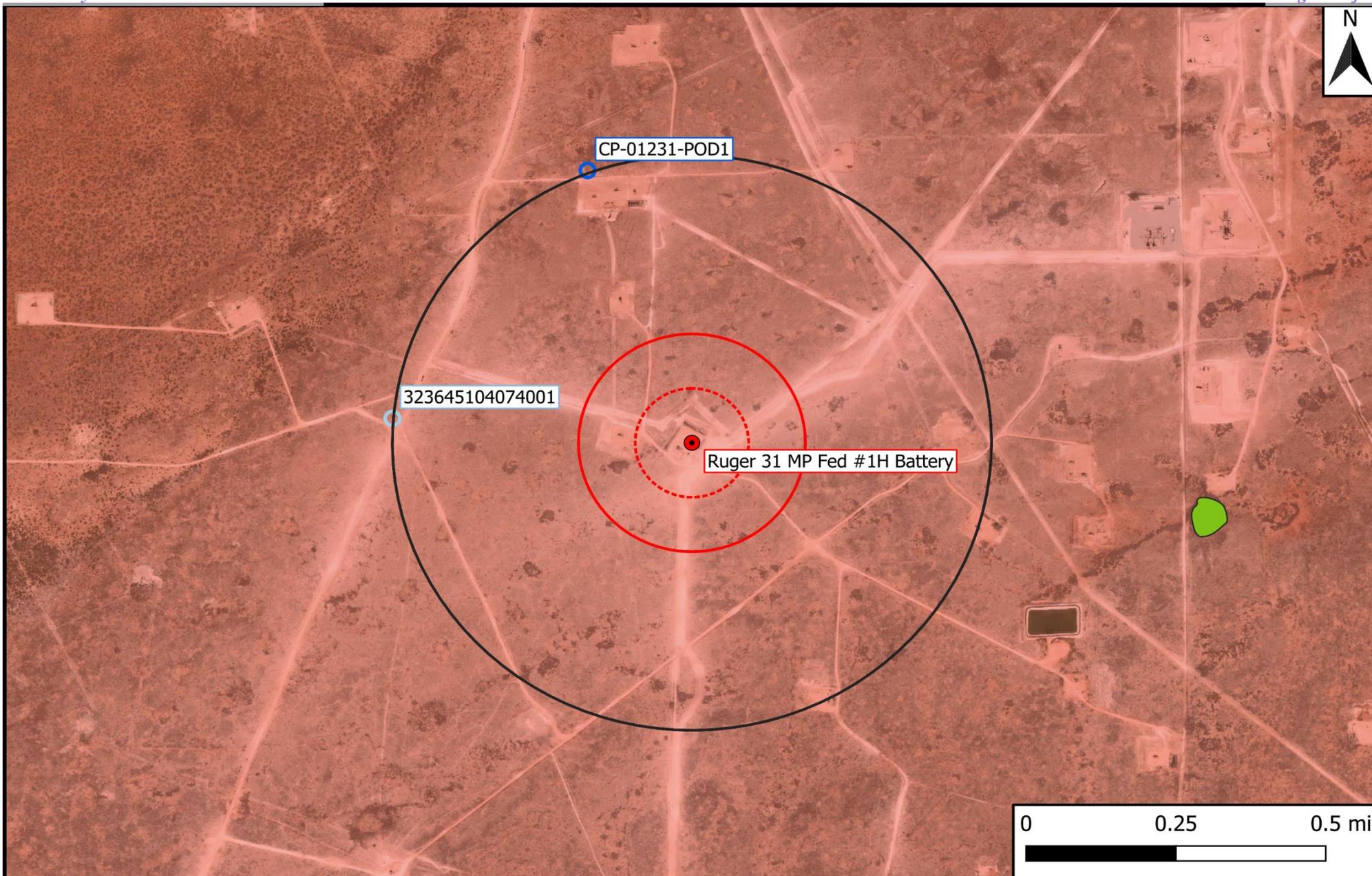
Figure 1
 Topographic Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County

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	

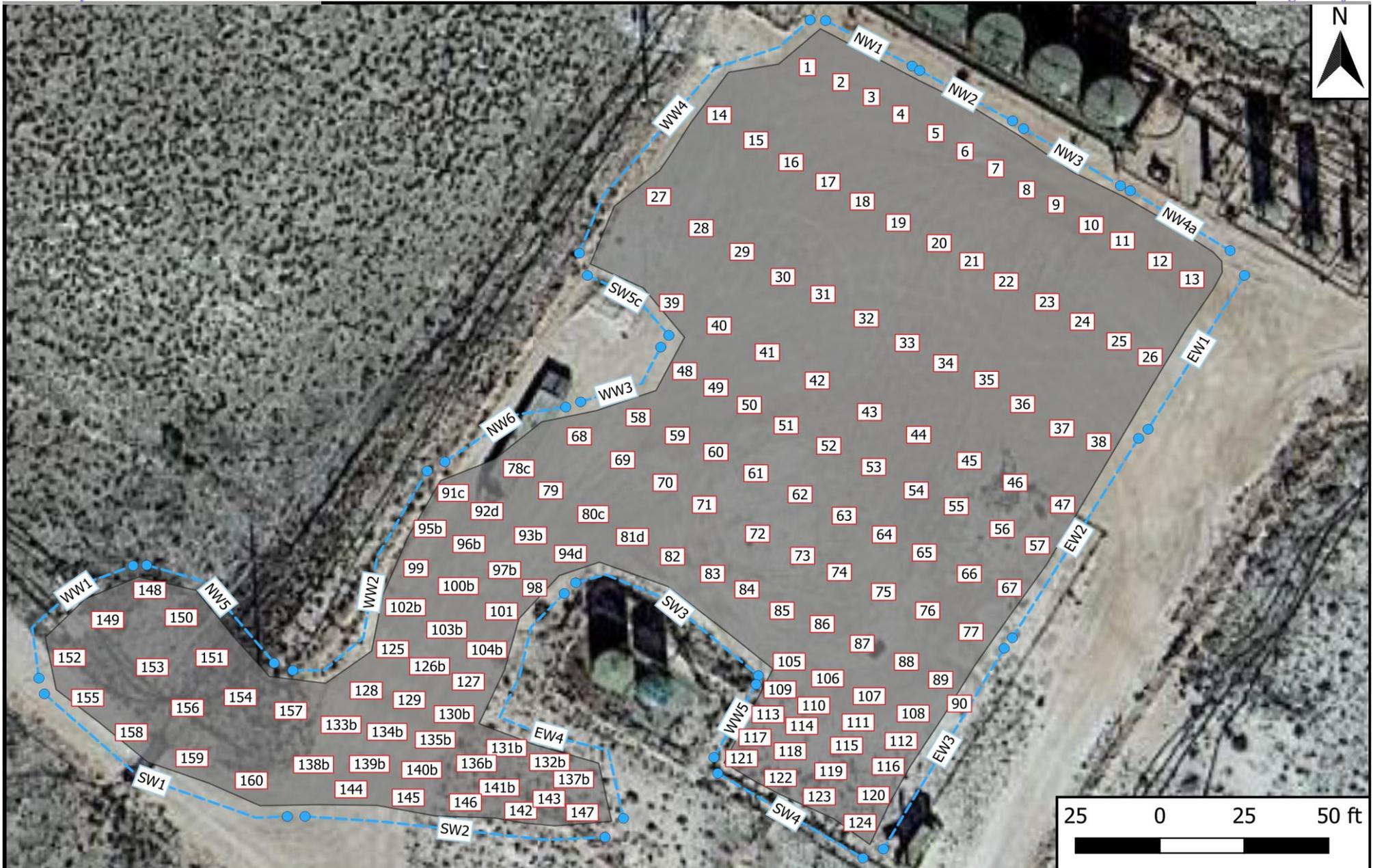
Figure 2
 Aerial Proximity Map
 Mewbourne Oil Company
 Ruger 31 MP Fed #1H Battery
 GPS: 32.611941, -104.119722
 Eddy County



Environmental & Safety Solutions, Inc.

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



 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	

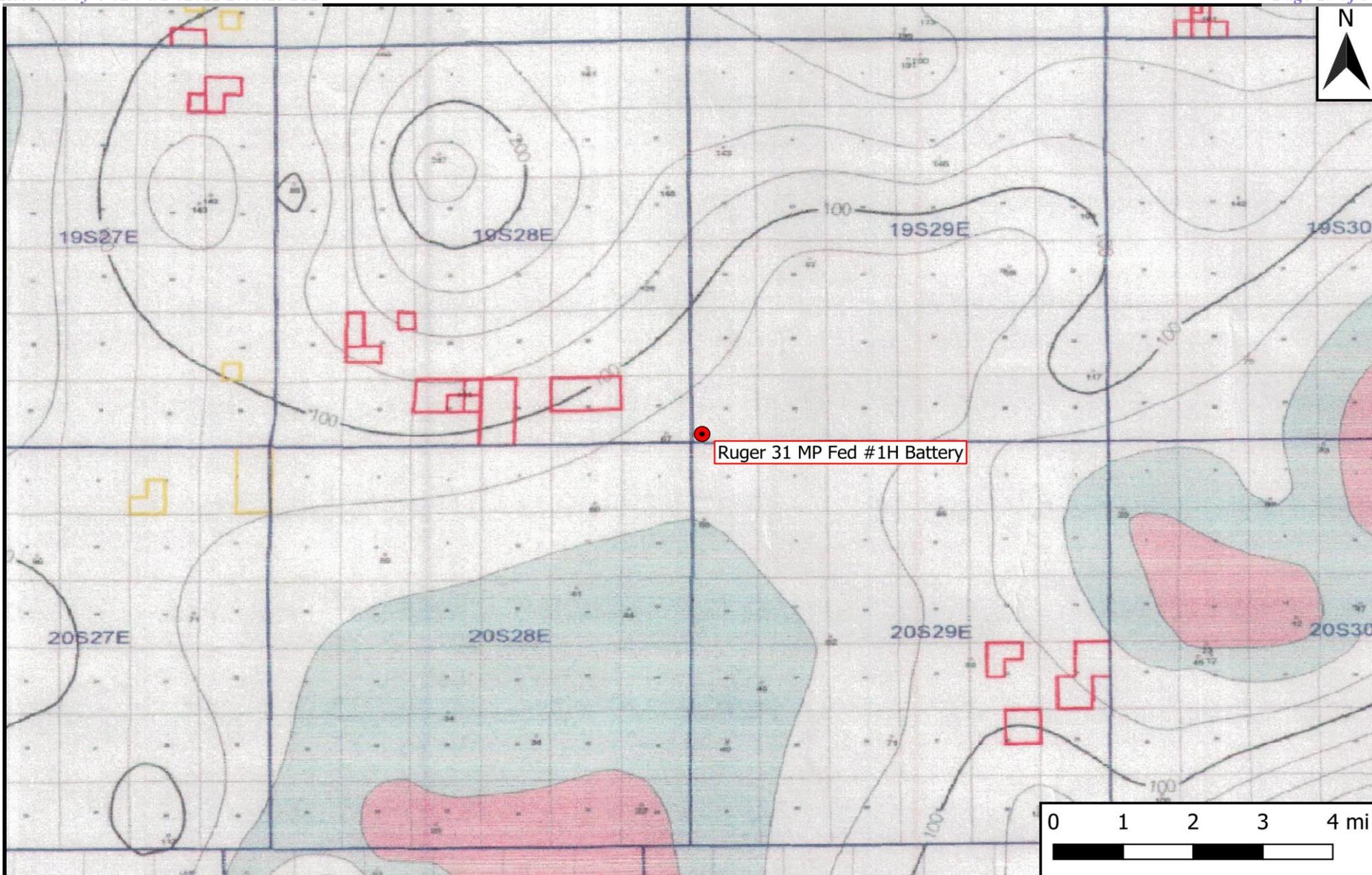
Dash (-): Not applicable OR Sample not analyzed for that constituent.

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



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 Rev 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)

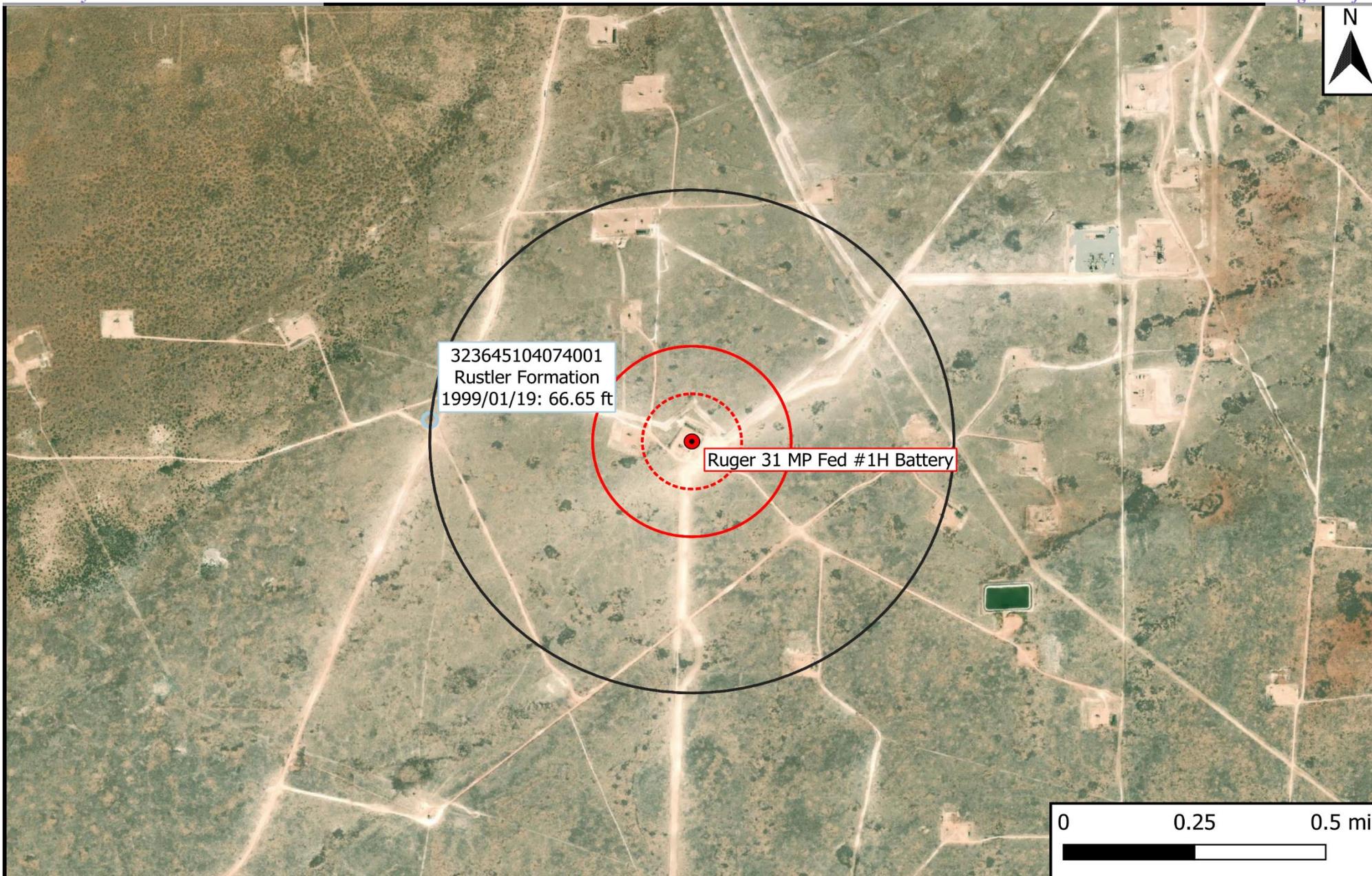
Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/01/2005	2005	11779500	A	jw		0
04/12/2005	2005	12531800	A	jw		2.309
08/18/2005	2005	13801200	A	jw		3.896
12/31/2016	2016	25746500	A	RPT		0
01/31/2017	2017	27917599	A	RPT		6.663
02/28/2017	2017	30726856	A	RPT		8.621
03/31/2017	2017	32044767	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



Environmental & Safety Solutions, Inc.

Drafted: bja Checked: jwl Date: 3/29/22



MENU

19S.28E.36.43233



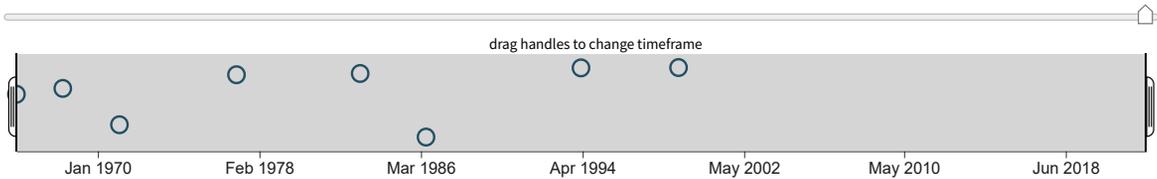
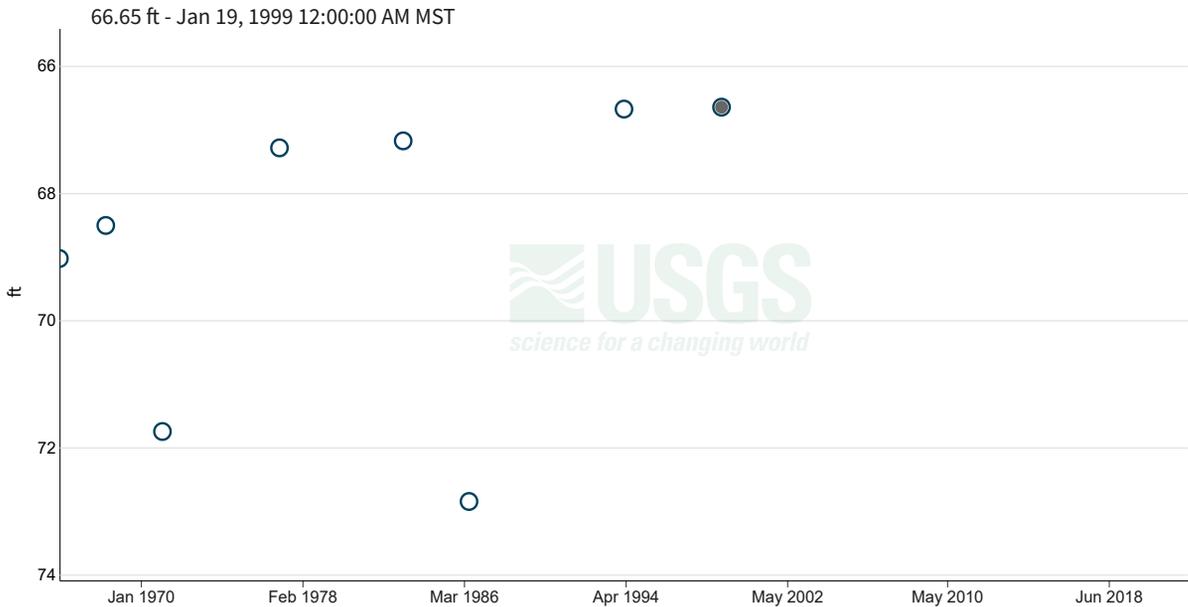
IMPORTANT [Inventory Page](#) i

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**

Depth to water level, ft below land surface i



Field visit: Approved
Median: No data

Compare to last year
 Display median

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

Select Data to Graph

- Depth to water level, ft below land surface 1965-12-07 to 1999-01-19
- Groundwater level above NAVD 1988, ft 1965-12-07 to 1999-01-19
- Groundwater level above NGVD 1929, feet 1965-12-07 to 1999-01-19

Hydrograph data table(s) -

Field visit data

Questions or Comments

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 +

The map displays a monitoring location marked with a blue pin. The legend indicates that blue pins represent 'Monitoring Location' and red dots represent 'Active Monitoring Locations'. A scale bar shows 3 km and 1 mi. The map is powered by Esri and includes data from USGS National Boundaries Dataset, 3DEP Elevation Program, and Geographic Names Information System.

[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 +

Appendix B

Field Data & Soil Profile Logs



Sample Log

1/19/22

Date:

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		9.4 732	
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: _____
 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 8 FL 9 @ 2'		488	
FL 21 @ 2'		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



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	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

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.

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)

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, 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, SM4500Cl-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, SM4500Cl-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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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)

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	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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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, SM4500Cl-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, 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 99.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 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 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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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, 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	07/23/2021	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)

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, SM4500Cl-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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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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	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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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:	07/26/2021	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)

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	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
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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 12 @ 6" (H211931-12)

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	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 BTEX	<0.300	0.300	07/25/2021	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	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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 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 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:

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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 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, SM4500Cl-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:

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 15 @ 6" (H211931-15)

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	1.95	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 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, 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	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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 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 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, SM4500Cl-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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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 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
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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:	07/26/2021	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)

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, 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:

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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 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, 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	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:

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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 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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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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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, SM4500CI-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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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)

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, 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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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, SM4500CI-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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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
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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 29 @ 6" (H211931-29)

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	07/23/2021	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) 95.0 % 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	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
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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 30 @ 6" (H211931-30)

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	07/23/2021	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) 94.6 % 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:

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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 31 @ 6" (H211931-31)

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) 94.8 % 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	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:

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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, 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	07/23/2021	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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 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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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:	07/26/2021	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)

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) 96.8 % 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	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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 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)

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) 94.3 % 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	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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 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 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, SM4500CI-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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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 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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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 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, SM4500CI-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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 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)

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) 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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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, SM4500Cl-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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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 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, SM4500Cl-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, 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 96.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.6 % 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 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, SM4500CI-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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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)

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	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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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, 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	07/23/2021	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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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 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, 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 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 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 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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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 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, SM4500Cl-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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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 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, SM4500CI-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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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 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, SM4500CI-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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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 59 @ 6" (H211931-59)

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	07/23/2021	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, SM4500Cl-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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 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 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

Cardinal Laboratories

*=Accredited Analyte

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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

1 of 180

Company Name: <u>E-Tech Environmental</u>		BILL TO		ANALYSIS REQUEST																							
Project Manager: <u>Joel Lowry</u>		P.O. #:																									
Address: <u>3600 Plains Hwy</u>		Company: <u>E-Tech</u>																									
City: <u>Livingston</u> State: <u>NM</u> Zip: <u>88260</u>		Attn:																									
Phone #: <u>575-396-2378</u> Fax #:		Address:																									
Project #: <u>14836</u> Project Owner: <u>Newbarne</u>		City:																									
Project Name: <u>Ruger 31 MP Fed Hl</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.	(GRAB 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>1</u>	<u>FL1 @ 6"</u>	<u>0</u>	<u>1</u>			<u>X</u>							<u>7/26/21</u>		<u>X</u>	<u>X</u>	<u>X</u>										
<u>2</u>	<u>FL2 @ 6"</u>																										
<u>3</u>	<u>FL3 @ 6"</u>																										
<u>4</u>	<u>FL4 @ 6"</u>																										
<u>5</u>	<u>FL5 @ 6"</u>																										
<u>6</u>	<u>FL6 @ 6"</u>																										
<u>7</u>	<u>FL7 @ 6"</u>																										
<u>8</u>	<u>FL8 @ 6"</u>																										
<u>9</u>	<u>FL9 @ 6"</u>																										
<u>10</u>	<u>FL10 @ 6"</u>																										

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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>	<i>Tamara Decker</i>	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>PM @ etxchenv.com</u>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		Checked BY: (Initials) <u>TD</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Observed Temp. °C
			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 18

Company Name: Etech Environmental
 Project Manager: Joel Lowry
 Address: 3100 Plains Hwy
 City: Livingston State: NM Zip: 88260
 Phone #: 575-396-2378 Fax #:
 Project #: 14336 Project Owner: Mowbourne
 Project Name: Roger 31 MP Fed Ct
 Project Location: Rural Eddy Co, NM
 Sampler Name: Miguel Ramirez

BILL TO

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
<u>421931</u>																
<u>11</u>	<u>FL11 @ 6"</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>7/20/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>	<u>FL12 @ 6"</u>															
<u>13</u>	<u>FL13 @ 6"</u>															
<u>14</u>	<u>FL14 @ 6"</u>															
<u>15</u>	<u>FL15 @ 6"</u>															
<u>16</u>	<u>FL16 @ 6"</u>															
<u>17</u>	<u>FL17 @ 6"</u>															
<u>18</u>	<u>FL18 @ 6"</u>															
<u>19</u>	<u>FL19 @ 6"</u>															
<u>20</u>	<u>FL20 @ 6"</u>															

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Relinquished By: [Signature] Date: 7-22-21
 Time: 1640
 Received By: [Signature]
 Relinquished By: _____ Date: _____
 Time: _____
 Received By: _____

Delivered By: (Circle One) UPS Observed Temp. °C -6.9
 Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____
 Sample Condition Cool Intact
 Yes No

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: Pm @ etechenvy.com
 Turnaround Time: Standard Rush
 Bacteria (only) Sample Condition
 Cool Intact Observed Temp. °C
 Yes No
 Thermometer ID #113 Correction Factor None
 Yes No Corrected Temp. °C

FORM-006 R 3.1 08/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 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> Lovington</u> State: <u>NM</u> Zip: <u>78260</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 1H</u>		State: Zip:											
Project Location: <u>Rural Eddy Co NM</u>		Phone #:											
Sampler Name: <u>Miguel Ramirez</u>		Fax #:											

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
<u>H211931</u>																		
<u>21</u>	<u>FL 21 @ 6"</u>	<u>✓</u>	<u>1</u>			<u>X</u>				<u>✓</u>			<u>7/20/21</u>		<u>✓</u>	<u>X</u>	<u>X</u>	
<u>22</u>	<u>FL 22 @ 6"</u>																	
<u>23</u>	<u>FL 23 @ 6"</u>																	
<u>24</u>	<u>FL 24 @ 6"</u>																	
<u>25</u>	<u>FL 25 @ 6"</u>																	
<u>26</u>	<u>FL 26 @ 6"</u>																	
<u>27</u>	<u>FL 27 @ 6"</u>																	
<u>28</u>	<u>FL 28 @ 6"</u>																	
<u>29</u>	<u>FL 29 @ 6"</u>																	
<u>30</u>	<u>FL 30 @ 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>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>PM @ etachenr.com</u>
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition
		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
			Observed Temp. °C
		CHECKED BY: <u>[Signature]</u>	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		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:						
<u>H211931</u>																		
<u>31</u>	<u>FL 31 @ 6"</u>	<u>U</u>	<u>1</u>			<u>X</u>				<u>X</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:	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>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>pm@etechenv.com</u>
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>YD</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
			Thermometer ID #113 Correction Factor None
			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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

50P 18

Company Name: <u>E-Tech Environmental</u>		BILL TO		ANALYSIS REQUEST							
Project Manager: <u>Joel Lowry</u>		P.O. #:									
Address: <u>3100 Plains Hwy</u>		Company: <u>E-Tech</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>Mebourne</u>		City:									
Project Name: <u>Ruger 31 NP 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		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
<u>H-211931</u>																
<u>41</u>	<u>FL 41 @ 6"</u>	<u>C</u>			<u>Y</u>				<u>X</u>			<u>7/26/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>42</u>	<u>FL 42 @ 6"</u>															
<u>43</u>	<u>FL 43 @ 6"</u>															
<u>44</u>	<u>FL 44 @ 6"</u>															
<u>45</u>	<u>FL 45 @ 6"</u>															
<u>46</u>	<u>FL 46 @ 6"</u>															
<u>47</u>	<u>FL 47 @ 6"</u>															
<u>48</u>	<u>FL 48 @ 6"</u>															
<u>49</u>	<u>FL 49 @ 6"</u>															
<u>50</u>	<u>FL 50 @ 6"</u>															

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Relinquished By:	Date: <u>7-22-21</u> Time: <u>7:40</u>	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: <u>pm@etechenv.com</u>
Delivered By: (Circle One) <u>UPS</u>	Observed Temp. °C <u>-6.9</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>YD</u>	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 12

Company Name: <u>Etech Environmental</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>Joel Lowry</u>		P.O. #:													
Address: <u>3100 Plains Hw</u>		Company: <u>Etech</u>													
City: <u>Louington</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 114</u>		State: Zip:													
Project Location: <u>Rural Eddy Co, NM</u>		Phone #:													
Sampler Name: <u>Miguel Ramirez</u>		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
<u>H211931</u>																
<u>51</u>	<u>FL 51 @ 6"</u>	<u>1</u>			<u>X</u>				<u>X</u>			<u>7/20/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>52</u>	<u>FL 52 @ 6"</u>															
<u>53</u>	<u>FL 53 @ 6"</u>															
<u>54</u>	<u>FL 54 @ 6"</u>															
<u>55</u>	<u>FL 55 @ 6"</u>															
<u>56</u>	<u>FL 56 @ 6"</u>															
<u>57</u>	<u>FL 57 @ 6"</u>															
<u>58</u>	<u>FL 58 @ 6"</u>															
<u>59</u>	<u>FL 59 @ 6"</u>															
<u>60</u>	<u>FL 60 @ 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>16:40</u>		All Results are emailed. Please provide Email address: <u>pm@etechenv.com</u>
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>[Signature]</u>	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 <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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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 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:	07/20/2021
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)

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, 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

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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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	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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 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)

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) 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	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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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)

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	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)

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, SM4500Cl-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)

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, SM4500Cl-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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 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)

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) 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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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, 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	07/26/2021	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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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 70 @ 6" (H211933-10)

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	1.98	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) 97.0 % 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	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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 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 71 @ 6" (H211933-11)

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	07/23/2021	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, 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	07/26/2021	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:

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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)

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, SM4500Cl-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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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)

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	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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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 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, 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	07/26/2021	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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 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 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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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, SM4500Cl-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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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)

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) 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:

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 79 @ 6" (H211933-19)

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	07/24/2021	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	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:

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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 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, 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	07/26/2021	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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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)

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	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, 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	07/26/2021	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)

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) 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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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 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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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)

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) 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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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 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, SM4500Cl-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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 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 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, SM4500Cl-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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 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 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, 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	07/26/2021	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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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 91 @ 6" (H211933-31)

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, SM4500Cl-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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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 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	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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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 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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 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, SM4500Cl-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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 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, SM4500Cl-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:

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 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, SM4500Cl-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:

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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 97 @ 6" (H211933-37)

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) 114 % 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	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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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)

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) 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	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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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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 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)

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	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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 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 101 @ 6" (H211933-41)

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	07/24/2021	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) 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	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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 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)

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	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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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)

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	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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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 104 @ 6" (H211933-44)

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	07/24/2021	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) 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	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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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 105 @ 6" (H211933-45)

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	07/24/2021	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	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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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)

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) 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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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, 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	07/26/2021	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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 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 108 @ 6" (H211933-48)

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	07/24/2021	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) 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:

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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 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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:

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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 110 @ 6" (H211933-50)

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	07/24/2021	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) 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	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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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)

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	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)

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	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:

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 113 @ 6" (H211933-53)

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	07/24/2021	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	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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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 114 @ 6" (H211933-54)

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	07/24/2021	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) 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	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:

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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 115 @ 6" (H211933-55)

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	07/24/2021	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) 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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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 116 @ 6" (H211933-56)

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	07/24/2021	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) 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	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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 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)

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	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:

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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 118 @ 6" (H211933-58)

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	07/24/2021	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	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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 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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 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)

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: 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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Celey D. Keene, Lab Director/Quality Manager



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

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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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 #: 575-396-0370 Fax #:		Address:							
Project #: 14336 Project Owner: Newbourne		City:							
Project Name: Rugee 31 MP Fed IH		State: Zip:							
Project Location: Pural Eckly co, NM		Phone #:							
Sampler Name: Miguel Ramirez		Fax #:							

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:			
H211933		X	1			X					7/20/21		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 Time: 1640	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: -6.9 Corrected Temp. °C:	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 Correction Factor None
		CHECKED BY: (Initials) +0	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

FORM 008 R 3.1 06/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

8 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>Loveington</u> State: <u>NM</u> Zip: <u>88260</u>		Attn:													
Phone #: <u>575-346-2378</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		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:			
<u>H211933</u>		<u>C</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>7/20/21</u>		<u>X</u>	<u>X</u>	<u>X</u>
<u>11</u>	<u>FL 71 @ 6"</u>														
<u>12</u>	<u>FL 72 @ 6"</u>														
<u>13</u>	<u>FL 73 @ 6"</u>														
<u>14</u>	<u>FL 74 @ 6"</u>														
<u>15</u>	<u>FL 75 @ 6"</u>														
<u>16</u>	<u>FL 76 @ 6"</u>														
<u>17</u>	<u>FL 77 @ 6"</u>														
<u>18</u>	<u>FL 78 @ 6"</u>														
<u>19</u>	<u>FL 79 @ 6"</u>														
<u>20</u>	<u>FL 80 @ 6"</u>														

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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>7:40</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>PM @ etechenv.com</u>
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>JO</u>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None

FORM-006 R 3.1 06/04/20

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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: Melbourne		City:																									
Project Name: Ryger 31 mp Fed IH		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			
H211933				C		-		X								X		X		X		7/20/21				Chlorides	
21 FL81 @ 6"																										BTEX	
22 FL82 @ 6"																										TPH	
23 FL83 @ 6"																											
24 FL84 @ 6"																											
25 FL85 @ 6"																											
26 FL86 @ 6"																											
27 FL87 @ 6"																											
28 FL88 @ 6"																											
29 FL89 @ 6"																											
30 FL90 @ 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		Time:		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		pm@etechenv.com	
Time:		REMARKS:				
Delivered By: (Circle One)		Observed Temp. °C -6.9	Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
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) JS		Cool Intact Observed Temp. °C	
					<input type="checkbox"/> Yes <input type="checkbox"/> No	
					<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-000 R 3.1 08/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10/18

Company Name: <u>ETech Environmental</u>		BILL TO		ANALYSIS REQUEST																	
Project Manager: <u>Joe Lowry</u>		P.O. #:																			
Address: <u>3100 Plains Hwy</u>		Company: <u>ETech</u>																			
City: <u>Lovington</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>Melbourne</u>		City:																			
Project Name: <u>Ryder 31 MP Fed IH</u>		State: Zip:																			
Project Location: <u>Pura Eddy co, NM</u>		Phone #:																			
Sampler Name: <u>Miguel Ramirez</u>		Fax #:																			
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)IRAB OR (C)OMP # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER	PRESERV. ACID/BASE ICE / COOL OTHER	SAMPLING DATE TIME																
<u>H211933</u>						<u>Chlorides</u>															
<u>41</u>	<u>FL10 @ 6"</u>		<u>X</u>		<u>7/20/21</u>	<u>X</u>															
<u>42</u>	<u>FL10 @ 6"</u>					<u>X</u>															
<u>43</u>	<u>FL103 @ 6"</u>																				
<u>44</u>	<u>FL104 @ 6"</u>																				
<u>45</u>	<u>FL105 @ 6"</u>																				
<u>46</u>	<u>FL106 @ 6"</u>																				
<u>47</u>	<u>FL107 @ 6"</u>																				
<u>48</u>	<u>FL108 @ 6"</u>																				
<u>49</u>	<u>FL109 @ 6"</u>																				
<u>50</u>	<u>FL110 @ 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>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	<u>pm@etechenv.com</u>		
Time:			REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	CHECKED BY: <u>YO</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> No <input type="checkbox"/> No		Correction Factor None	<input type="checkbox"/> No <input type="checkbox"/> No

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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 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

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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: 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, 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*	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



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 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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* = Accredited Analyte

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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, 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	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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 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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 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 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, SM4500Cl-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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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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 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 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, SM4500CI-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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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 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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 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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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 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, SM4500Cl-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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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 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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 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, SM4500CI-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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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)

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) 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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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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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 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)

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) 99.5 % 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	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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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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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 141 @ 6" (H211934-21)

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	07/25/2021	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) 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	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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 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)

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	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:

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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 143 @ 6" (H211934-23)

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	07/25/2021	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	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:

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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)

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) 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:

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 145 @ 6" (H211934-25)

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	07/25/2021	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	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
 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 146 @ 6" (H211934-26)

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, 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	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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 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)

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, 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	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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 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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 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)

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	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)

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	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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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 151 @ 6" (H211934-31)

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 71.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 66.5 % 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 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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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 153 @ 6" (H211934-33)

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	07/25/2021	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) 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	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)

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	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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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 155 @ 6" (H211934-35)

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	07/25/2021	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	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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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 156 @ 6" (H211934-36)

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	07/25/2021	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) 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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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 157 @ 6" (H211934-37)

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) 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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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 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:

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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 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, 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	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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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 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, 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 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, SM4500Cl-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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 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 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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 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 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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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 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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 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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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)

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	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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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:	07/22/2021
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:

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: 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, 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 90.4 % 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, 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	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:

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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 3 (H211934-53)

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	07/25/2021	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) 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)

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 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 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: SW 5 (H211934-55)

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	07/25/2021	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	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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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, 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 90.2 % 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, 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	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, 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	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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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)

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	1.89	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 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	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)

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	1.89	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 BTEX	<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	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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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

19
Pool 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: Ryder 31 mp Fed IH Project Location: Purat Ecology co, NM Sampler Name: Miguel Ramirez		BILL TO P.O. #: Company: ETech Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST									
---	--	---	--	-------------------------	--	--	--	--	--	--	--	--	--

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chlorides	BTEX	TPH	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER				DATE
H211934					X				X		7/22/21		X	X	X
21	FL141 @ 6"												X	X	X
22	FL142 @ 6"												X	X	X
23	FL143 @ 6"												X	X	X
24	FL144 @ 6"												X	X	X
25	FL145 @ 6"												X	X	X
26	FL146 @ 6"												X	X	X
27	FL147 @ 6"												X	X	X
28	FL148 @ 6"												X	X	X
29	FL149 @ 6"												X	X	X
30	FL150 @ 6"												X	X	X

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Relinquished By: Date: 7-22-21 Time: 16:40 Relinquished By: Date: Time:	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 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 <input type="checkbox"/> No <input type="checkbox"/> No
Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 Correction Factor None	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	CHECKED BY: (Initials) T.O.

FORM 000 R 3 1 06/04/20

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

17 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>Lovington</u> State: <u>NM</u> Zip: <u>78226</u>	Attn:										
Phone #: <u>575 396 2376</u> Fax #:	Address:										
Project #: <u>14336</u> Project Owner: <u>Mowbourne</u>	City:										
Project Name: <u>Ruger J1 MP Fed 1H</u>	State: Zip:										
Project Location: <u>Rural Eddy Co, NM</u>	Phone #:										
Sampler Name: <u>Miguel Ramirez</u>	Fax #:										

FOR LAB USE ONLY		(S)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
<u>H211934</u>																	
<u>41 NW1</u>																	
<u>42 NW2</u>																	
<u>43 NW3</u>																	
<u>44 NW4</u>																	
<u>45 NW5</u>																	
<u>46 NW6</u>																	
<u>47 EW1</u>																	
<u>48 EW2</u>																	
<u>49 EW3</u>																	
<u>50 EW4</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 #:
Relinquished By:	Time: <u>1640</u>	Received By:	All Results are emailed. Please provide Email address: <u>PM@ctechenv.com</u>	
Delivered By: (Circle One)	Observed Temp. °C <u>-6.9</u>	Sample Condition	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		Checked BY: (Initials) <u>JO</u>	Correction Factor None	Observed Temp. °C
				Corrected Temp. °C

FORM-006 R 3-1-06/04-20

† 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

18 of 18

Company Name: <u>ETech Environmental</u> Project Manager: <u>Joel Lowry</u> Address: <u>3100 Plains Hwy</u> City: <u>Lawington</u> State: <u>NM</u> Zip: <u>87126</u> Phone #: <u>575 396 2376</u> Fax #: Project #: <u>14336</u> Project Owner: <u>Mewbourne</u> Project Name: <u>Ruger JI NP Fed 14</u> Project Location: <u>Rural Eddy Co, NM</u> Sampler Name: <u>Miguel Ramirez</u>		BILL TO P.O. #: Company: <u>ETech</u> Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST									
--	--	---	--	-------------------------	--	--	--	--	--	--	--	--	--

FOR LAB USE ONLY		(G)RAB OR (C)OMP	# CONTAINERS	MATRIX					PRESERV.	SAMPLING		Chlorides	BTEX	TPH
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL			
<u>H211934</u>														
<u>51</u>	<u>SW1</u>			X					X		<u>7/20/21</u>		X	
<u>52</u>	<u>SW2</u>												X	
<u>53</u>	<u>SW3</u>													
<u>54</u>	<u>SW4</u>													
<u>55</u>	<u>SW5</u>													
<u>56</u>	<u>WW1</u>													
<u>57</u>	<u>WW2</u>													
<u>58</u>	<u>WW3</u>													
<u>59</u>	<u>WW4</u>													
<u>60</u>	<u>WW5</u>													

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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 #:
Relinquished By:	Time: <u>1640</u>	Received By:	All Results are emailed. Please provide Email address: <u>PM@ctechenv.com</u>	
Delivered By: (Circle One)	Observed Temp. °C: <u>-1.9</u>	Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	REMARKS:	
Sampler - UPS - Bus - Other:	Corrected Temp. °C:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	<input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition
		<input type="checkbox"/> No <input type="checkbox"/> No	Thermometer ID #113	<input type="checkbox"/> Cool <input type="checkbox"/> Intact
			Correction Factor None	<input type="checkbox"/> Yes <input type="checkbox"/> No
				Observed Temp. °C
				Corrected Temp. °C

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



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". The signature is written in a cursive 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:	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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*=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:	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 66 @ 4' (H212793-05)

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 67 @ 4' (H212793-06)

Chloride, SM4500CI-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, SM4500CI-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, 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	3.77	

Sample ID: FL 77 @ 4' (H212793-09)

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	

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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	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 86 @ 4' (H212793-10)

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	

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, 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	

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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	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 110 @ 5' (H212793-15)

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	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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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	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 118 @ 5' (H212793-19)

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 72 @ 4' (H212793-20)

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 73 @ 4' (H212793-21)

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	

Sample ID: FL 84 @ 4' (H212793-22)

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



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

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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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: <i>ETech Environmental</i>		BILL TO		ANALYSIS REQUEST							
Project Manager: <i>Joel Lowry</i>		P.O. #:									
Address: <i>2617 Marland</i>		Company: <i>ETech</i>									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:									
Phone #: <i>575-964-2880</i> Fax #:		Address:									
Project #: <i>14336</i> Project Owner: <i>Mowbore</i>		City:									
Project Name: <i>Ruger 31 MP Fed IH</i>		State: Zip:									
Project Location: <i>Rural Eddy co, NM</i>		Phone #:									
Sampler Name: <i>Miguel Ramirez</i>		Fax #:									

FOR LAB USE ONLY		(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chlorides	TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				
<i>H212793</i>		<i>C</i>			<i>X</i>				<i>X</i>			<i>10/5/21</i>		<i>X</i>	<i>X</i>
<i>11</i>	<i>FL 87 @ 4'</i>													<i>X</i>	
<i>12</i>	<i>FL 88 @ 4'</i>													<i>X</i>	
<i>13</i>	<i>FL 89 @ 4'</i>													<i>X</i>	
<i>14</i>	<i>FL 105 @ 4'</i>													<i>X</i>	
<i>15</i>	<i>FL 110 @ 5'</i>													<i>X</i>	
<i>16</i>	<i>FL 111 @ 5'</i>													<i>X</i>	
<i>17</i>	<i>FL 112 @ 5'</i>													<i>X</i>	
<i>18</i>	<i>FL 114 @ 5'</i>													<i>X</i>	
<i>19</i>	<i>FL 118 @ 5'</i>													<i>X</i>	
<i>20</i>	<i>FL 12 @ 4'</i>											<i>10/6/21</i>		<i>X</i>	

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Relinquished By: <i>[Signature]</i>	Date: <i>10-6-21</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>1650</i>			All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	REMARKS: <i>pm@etechenv.com</i>	
Time:				
Delivered By: (Circle One)	Observed Temp. °C <i>4.4</i>	Sample Condition	CHECKED BY: (Initials) <i>TO</i>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>3.9</i>	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact Observed Temp. °C
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				Corrected Temp. °C

FORM 006 R 3.1 08/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 #: 505 575-914-2800 Fax #:		Address:																						
Project #: 14336 Project Owner: Newbourne		City:																						
Project Name: Ruger 81 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		<i>Chlorides</i>											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:											DATE	TIME
H212793		FL 73 @ 4'		↓	1					Y	Y												10/6/21	↓
21		FL 84 @ 4'		↓	1					Y	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 #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address:	
Time:		Time:		Time:		REMARKS: PM@efcheniv.com	
Delivered By: (Circle One)		Observed Temp. °C 4.4		Sample Condition		CHECKED BY: (Initials) JD	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 3.9		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
				Thermometer ID #113		Bacteria (only) Sample Condition	
				Correction Factor None -0.52		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

↑ 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, flowing "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	Sampling Date:	01/19/2022
Reported:	01/24/2022	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 (H220235-01)

Chloride, SM4500CI-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, 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	01/21/2022	ND	416	104	400	3.92	

Sample ID: FL 125 (H220235-03)

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	01/21/2022	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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 style with a large, flowing "C" at the beginning.

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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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:	MEWBOURNE - EDDY CO NM		

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, 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 104 B @ 3' (H220952-07)

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	03/12/2022	ND	416	104	400	3.92	

Sample ID: FL 126 B @ 3' (H220952-08)

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 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



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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:	MEWBOURNE - EDDY CO NM		

Sample ID: FL 131 B @ 3' (H220952-10)

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 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, 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	

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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:	MEWBOURNE - EDDY CO NM		

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, 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	03/12/2022	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	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 30 @ 3' (H220952-20)

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	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 31 @ 3' (H220952-21)

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	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 39 @ 3' (H220952-22)

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	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 40 @ 3' (H220952-23)

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	03/12/2022	ND	432	108	400	7.69	

Sample ID: FL 41 @ 3' (H220952-24)

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	

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	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 42 @ 3' (H220952-25)

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	432	108	400	7.69	

Sample ID: FL 43 @ 3' (H220952-26)

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	

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	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 50 @ 3' (H220952-30)

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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, 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	03/14/2022	ND	416	104	400	0.00	

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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	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 70 @ 3' (H220952-35)

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	0.00	

Sample ID: FL 97 B @ 3' (H220952-36)

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	0.00	

Sample ID: FL 132 B @ 3' (H220952-37)

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	0.00	

Sample ID: FL 133 B @ 3' (H220952-38)

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	0.00	

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">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																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS														GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:	
H220952				2		1						X										X		3-9-22							
1		FL 936 @ 3'																													
2		FL 956 @ 3'																													
3		FL 966 @ 3'																													
4		FL 1006 @ 3'																													
5		FL 1026 @ 3'																													
6		FL 1036 @ 3'																													
7		FL 1096 @ 3'																													
8		FL 1266 @ 3'																													
9		FL 1306 @ 3'																													
10		FL 1316 @ 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:				Date: 3-9-22				Received By: Jodi Benson				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: 10:35								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)				20.80 #113				Sample Condition				CHECKED BY:																			
Sampler - UPS - Bus - Other:				20.30				Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>																							
								Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																							



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: <i>Joe Lowry</i>				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																		
Address: P.O. Box 301				Company: <i>Mewbourne</i>																						
City: Lovington		State: NM		Zip: 88260		Attn:																				
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																						
Project #: <i>14336</i>		Project Owner: <i>Mewbourne</i>		City:																						
Project Name: <i>Ruger 31 MP Fed IH</i>				State:		Zip:																				
Project Location: <i>Rural Eddy Co, NM</i>				Phone #:																						
Sampler Name: <i>Miguel Ramirez</i>				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											
	<i>H220952</i>						X					X		<i>3/9/22</i>		X										
	<i>11</i>	<i>FL 14 @ 3'</i>	<i>C</i>	<i>1</i>																						
	<i>12</i>	<i>FL 15 @ 3'</i>																								
	<i>13</i>	<i>FL 16 @ 3'</i>																								
	<i>14</i>	<i>FL 17 @ 3'</i>																								
	<i>15</i>	<i>FL 18 @ 3'</i>																								
	<i>16</i>	<i>FL 20 @ 3'</i>																								
	<i>17</i>	<i>FL 27 @ 3'</i>																								
	<i>18</i>	<i>FL 28 @ 3'</i>																								
	<i>19</i>	<i>FL 29 @ 3'</i>																								
	<i>20</i>	<i>FL 30 @ 3'</i>																								
<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: <i>[Signature]</i>				Date: <i>3/9/22</i>		Received By: <i>Jodi Benson</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:														
				Time: <i>16:35</i>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:														
Relinquished By:				Date:		Received By:				REMARKS:		<i>Chlorides only please</i>														
				Time:								Please email results to pm@etechenv.com.														
Delivered By: (Circle One)				20.8°C #113		Sample Condition				CHECKED BY: <i>[Signature]</i>																
Sampler - UPS - Bus - Other:				20.3°C		Cool Intact																				
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																				



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																						
Project Manager: <i>Joel Lowry</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>																						
Address: P.O. Box 301				Company: <i>Newbourn</i>																										
City: Lovington		State: NM		Zip: 88260		Attn:																								
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																										
Project #: <i>14336</i>		Project Owner: <i>Newbourn</i>		City:																										
Project Name: <i>Ruger 31 MP Fed IH</i>				State:		Zip:																								
Project Location: <i>Rural Eddy Co, NM</i>				Phone #:																										
Sampler Name: <i>Miguel Ramirez</i>				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													
<i>H220952</i>															<i>3/9/22</i>															
<i>21</i>		<i>FL 31 @ 3'</i>		<i>C</i>	<i>1</i>			<i>X</i>				<i>X</i>																		
<i>22</i>		<i>FL 39 @ 3'</i>																												
<i>23</i>		<i>FL 40 @ 3'</i>																												
<i>24</i>		<i>FL 41 @ 3'</i>																												
<i>25</i>		<i>FL 42 @ 3'</i>																												
<i>26</i>		<i>FL 43 @ 3'</i>																												
<i>27</i>		<i>FL 45 @ 3'</i>																												
<i>28</i>		<i>FL 46 @ 3'</i>																												
<i>29</i>		<i>FL 48 @ 3'</i>																												
<i>30</i>		<i>FL 50 @ 3'</i>																												
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Relinquished By: <i>[Signature]</i>				Date: <i>3/9/22</i>		Received By: <i>Jodi Henson</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																		
				Time: <i>10:35</i>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Relinquished By:				Date:		Received By:				REMARKS: <i>Chlorides only please</i> Please email results to pm@etechenv.com.																				
				Time:																										
Delivered By: (Circle One)				<i>20.82</i>		Sample Condition				CHECKED BY: <i>[Signature]</i>																				
Sampler - UPS - Bus - Other:				<i>-28.30 #113</i>		Cool Intact																								
						<input type="checkbox"/> Yes <input type="checkbox"/> No																								



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																						
Project Manager: <i>Joel Lowry</i>				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																						
Address: P.O. Box 301				Company: <i>Mimboure</i>																										
City: Lovington		State: NM		Zip: 88260		Attn:																								
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																										
Project #: <i>14336</i>		Project Owner: <i>Mimboure</i>		City:																										
Project Name: <i>Rugel 31 MP Fed/H</i>				State:																Zip:										
Project Location: <i>Rural Eddy co, NM</i>				Phone #:																										
Sampler Name: <i>Miguel Ramirez</i>				Fax #:																										
FOR LAB USE ONLY																														
Lab I.D.		Sample I.D.		# CONTAINERS	MATRIX				PRESERV.		SAMPLING																			
				(G)RAB OR (C)OMP.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE		TIME														
<i>H220952</i>														<i>3/9/22</i>																
<i>31</i>		<i>FL 51 @ 3'</i>		<i>C</i>	<i>1</i>		<i>Y</i>				<i>Y</i>							<i>Y</i>												
<i>32</i>		<i>FL 58 @ 3'</i>																												
<i>33</i>		<i>FL 59 @ 3'</i>																												
<i>34</i>		<i>FL 68 @ 3'</i>																												
<i>35</i>		<i>FL 70 @ 3'</i>																												
<i>36</i>		<i>FL 97 @ 3'</i>																												
<i>37</i>		<i>FL 132 @ 3'</i>																												
<i>38</i>		<i>FL 133 @ 3'</i>																												
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Relinquished By: <i>[Signature]</i>				Date: <i>3/9/22</i>		Received By: <i>Jodi Henson</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:																		
				Time: <i>16:35</i>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Relinquished By:				Date:		Received By:				REMARKS:																				
				Time:						<i>Chlorides only please</i>																				
Delivered By: (Circle One)				Date: <i>20.80</i>		Sample Condition				CHECKED BY:																				
Sampler - UPS - Bus - Other:				<i>20.30</i>		<i>#113</i>				<i>[Signature]</i>																				
						Cool Intact				(Initials)																				
						<input type="checkbox"/> Yes <input type="checkbox"/> No																								
						<input checked="" type="checkbox"/> No <input type="checkbox"/> No																								



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 style with a large, flowing "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:	03/10/2022	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	

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:	03/10/2022	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 92 D @ 5' (H220977-05)

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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 135 B @ 3' (H220977-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/14/2022	ND	416	104	400	3.77	

Sample ID: FL 136 B @ 3' (H220977-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	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	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 137 B @ 3' (H220977-10)

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	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, 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	03/14/2022	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	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: 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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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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: Newbourne																			
City: Lovington		State: NM		Zip: 88260		Attn:																	
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																			
Project #: 14502		Project Owner: Newbourne		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		OTHER :		DATE		TIME											
H220977																							
1		FL 78c @ 4'		C		1		X						3-10-22									
2		FL 80c @ 4'																					
3		FL 81d @ 5'																					
4		FL 91c @ 4'																					
5		FL 92d @ 5'																					
6		FL 94d @ 5'																					
7		FL 134 b @ 3'																					
8		FL 135 b @ 3'																					
9		FL 136 b @ 3'																					
10		FL 137 b @ 3'																					

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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: Chloride only, please!	
	Time:		Please email results to pm@etechenv.com.	
Delivered By: (Circle One) 14.7°C	C-0.5°C	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: 14.2°C #13		Cool Intact	TO	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																					
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	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														
	H220977						X					X		3-10-22		X													
	11	FL 1386 @ 3'																											
	12	FL 1396 @ 3'																											
	13	FL 1406 @ 3'																											
	14	FL 1416 @ 3'																											
	15	SW5C @ 4'	✓				✓				✓			3/10/22		✓		To: 3/11/22											

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Relinquished By: Tyler Griffin	Date: 3-10-22	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) 14.7c	14.2c	Sample Condition Cool Intact	REMARKS: Chloride only, please!	
Sampler - UPS - Bus - Other: #113		Checked By: (Initials) T.G.	Please email results to pm@etechenv.com.	



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".

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, SM4500CI-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, SM4500CI-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, SM4500CI-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, SM4500CI-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	

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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:	03/14/2022	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 5 @ 2' (H221010-05)

Chloride, SM4500CI-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, 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	03/17/2022	ND	416	104	400	0.00	

Sample ID: FL 7 @ 2' (H221010-07)

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	03/17/2022	ND	416	104	400	0.00	

Sample ID: FL 9 @ 2' (H221010-08)

Chloride, SM4500CI-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, 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	03/17/2022	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:	03/14/2022	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, 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	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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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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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:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
H221010				C	1			X					X	3-14-22		X	added to: 3/14/22														
11		NW3 @ 2'																													
12		FL 21 @ 2'																													
13		FL 22 @ 2'																													
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		Received By: Tamara Eldaker				Time: 1500		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		REMARKS: chloride only!											
Relinquished By:				Date:		Received By:				Time:		Please email results to pm@etechenv.com.																			
Delivered By: (Circle One)				21.7° C-0.5°		Sample Condition				CHECKED BY: (Initials)																					
Sampler - UPS - Bus - Other:				21.2° #113		Cool Intact				40																					
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									



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".

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	

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:	03/18/2022	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 9 @ 3' (H221095-05)

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	

Sample ID: FL 11 @ 3' (H221095-06)

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 12 @ 3' (H221095-07)

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	03/21/2022	ND	416	104	400	3.77	

Sample ID: FL 13 @ 3' (H221095-08)

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: NW 4 A @ 3' (H221095-09)

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

Notes and Definitions

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

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Celey D. Keene

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. #:				Chloride TPH (8015M) BTEX (8021B)																				
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						X							3-18-22		X											
1	FL 4 @ 3'					X																				
2	FL 5 @ 3'					X																				
3	FL 6 @ 3'					X																				
4	FL 7 @ 3'					X																				
5	FL 9 @ 3'					X																				
6	FL 11 @ 3'					X																				
7	FL 12 @ 3'					X																				
8	FL 13 @ 3'					X																				
9	NW 4a @ 3'					X																				
<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 #:		REMARKS: Chloride only, please!																
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:		Please email results to pm@etechenv.com.																
Delivered By: (Circle One) 23.6 @ C-0.5c		Date: 23.6 @ C-0.5c		Sample Condition		CHECKED BY: (Initials)																				
Sampler - UPS - Bus - Other: 23.1c #113		Date: 23.1c #113		Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		VO-																		



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".

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



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 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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*=Accredited Analyte

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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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.		BILL TO				ANALYSIS REQUEST										
Project Manager: <u>Joel Lowry</u>		P.O. #:				Chloride TPH (8015M) BTEX (8021B)										
Address: P.O. Box 301		Company: <u>Mewbourne</u>														
City: Lovington State: NM Zip: 88260		Attn:														
Phone #: (575) 396-2378 Fax #: (575) 396-1429		Address:														
Project #: <u>14502</u> Project Owner: <u>Mewbourne</u>		City:														
Project Name: <u>Ruger MP 31</u>		State: Zip:														
Project Location: <u>Rural eddy county, New Mexico</u>		Phone #:														
Sampler Name: <u>Tyler Griffin</u>		Fax #:														
FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :		
		<u>H221114 -1</u>	<u>FL 26 @ 2'</u>	<u>1</u>	<u>1</u>			<u>X</u>						<u>3-21-22</u>		<u>K</u>
		<u>2</u>	<u>FL 35 @ 2'</u>													
		<u>3</u>	<u>FL 36 @ 2'</u>													
		<u>4</u>	<u>FL 37 @ 2'</u>													
		<u>5</u>	<u>FL 38 @ 2'</u>													
<p><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></p>																
Relinquished By: <u>Tyler Griffin</u>		Date: <u>3-21-22</u>		Received By: <u>Jamara Aldaker</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: <u>Chloride only, please.</u> Please email results to pm@etechenv.com.						
Time: <u>1550</u>		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:								
Relinquished By:		Date:		Received By:												
Time:																
Delivered By: (Circle One)		<u>12.4c</u> <u>0-0.5c</u>		Sample Condition		CHECKED BY: (Initials)										
Sampler - UPS - Bus - Other:		<u>11.9c #113</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>TO</u>										

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
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