

Incident ID	nAPP2305942242
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>35</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> 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.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 07/31/2023

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

**OCD Only**

Received by: Shelly Wells Date: 8/1/2023

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## 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: 07/31/2023  
email: cwalker@mewbourne.com Telephone: (806)202-5281

**OCD Only**

Received by: Shelly Wells Date: 8/1/2023

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

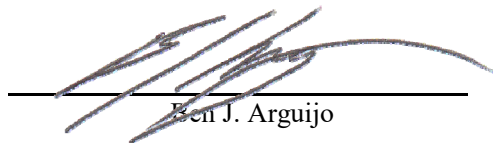
### Mewbourne Oil Company Malaga 30 MP Fed Com #1H Battery

Eddy County, New Mexico  
Unit Letter "M", Section 30, Township 24 South, Range 29 East  
Latitude 32.184393° North, Longitude 104.030739° West  
NMOCD Reference No. nAPP2305942242

Prepared By:

#### Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D  
Lubbock, Texas 79413



Ben J. Arguijo



Lance Crenshaw



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, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Malaga 30 MP Fed Com #1H Battery (henceforth, "Malaga 30 Battery"). Details of the release are summarized below:

## Location of Release Source

Latitude: 32.184393° Longitude: -104.030739°

Provided GPS are in WGS84 format.

Site Name:	Malaga 30 MP Fed Com #1H Battery	Site Type:	Tank Battery
Date Release Discovered:	2/13/2023	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"M"	30	24S	29E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ 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) 379	Volume Recovered (bbls) 300
	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:

A fiberglass tank caught fire and allowed fluid to release.

## Initial Response

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

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

## 2.0 SITE CHARACTERIZATION

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 Malaga 30 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?	35'			
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 BACKGROUND INVESTIGATION

On March 28, 2023, based on a trend of naturally occurring, elevated chloride concentrations encountered during concurrent remediation activities at a nearby release site (NMOCD Incident ID #nAPP2308026482), Etech advanced two (2) hand-augered soil borings (BG1 and BG2) in non-impacted areas at the site to determine the background concentration of chloride in the area. The soil borings were advanced to total depths of four (4) feet below ground surface (bgs), and 10 background soil samples (BG-1 @ Sur, BG-1 @ 1, BG-1 @ 2, BG-1 @ 3, BG-1 @ 4, BG-2 @ Sur, BG-2 @ 1, BG-2 @ 2, BG-2 @ 3, and BG-2 @ 4) 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 less than the appropriate laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 64.0 mg/kg in soil sample BG-2 @ Sur to 4,000 mg/kg in soil sample BG-2 @ 2.

The locations of the hand-augered soil borings are depicted in Figure 3A, "Site & Sample Location Map (Background)".

## 4.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the information summarized above, Mewbourne Oil Company contacted the NMOCD Artesia District Office to request alternative Closure Criteria for the site. In consultation with the NMOCD, the following Closure Criteria were established for the Malaga 30 Battery release:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Depth
	Chloride (Cl <sup>-</sup> )	EPA 300.0 or SM4500 Cl B	2,435	1'
			3,260	2'
			2,560	3'
			2,420	4'
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	All
	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	All
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	All

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

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

## 5.0 REMEDIATION ACTIVITIES SUMMARY

On April 11, 2023, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD-approved Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis.

On May 15, 2023, Etech collected 99 confirmation soil samples (NW1 through NW10, EW1 through EW11, SW1 through SW7, WW1 through WW12, and FL 1 @ 4 through FL 25 @ 2, FL 41 @ 2.5, FL 53 @ 2 through FL 74 @ 2, and FL 81 @ 2 through FL 91 @ 2) 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 concentrations were less than the NMOCD Closure Criterion and laboratory method detection limit (MDL) in each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL in soil samples NW1 through NW6, NW8, NW9, NW10, EW1 through EW11, SW1 through SW7, WW1 through WW12, FL 1 @ 4 through FL 25 @ 2, FL 41 @ 2.5, FL 53 @ 2 through FL 56 @ 2, FL 59 @ 2, FL 61 @ 2, FL 62 @ 2, FL 63 @ 2, FL 65 @ 2 through FL 74 @ 2, FL 83 @ 2, FL 85 @ 2 through FL 91 @ 2 to 68.9 mg/kg in soil sample FL 58 @ 2. Chloride concentrations ranged from 16.0 mg/kg in soil samples EW3 and FL 5 @ 4 to 4,160 mg/kg in soil sample WW9. Chloride concentrations in soil samples NW9, SW7, WW9, WW12, FL 18 @ 2, and FL 82 @ 2 exceeded the NMOCD Closure Criterion.

On May 17, 2023, Etech collected 32 confirmation soil samples (FL 26 @ 4 through FL 40 @ 4, FL 42 @ 3 through FL 52 @ 2, and FL 75 @ 4 through FL 80 @ 4) from the 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, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 112 mg/kg in soil sample FL 47 @ 3 to 2,160 mg/kg in soil sample FL 76 @ 4.

On May 22, 2023, the excavation was further advanced in the areas characterized by soil samples soil samples NW9, SW7, WW9, WW12, FL 18 @ 2, and FL 82 @ 2. Etech collected six (6) confirmation soil samples (NW9B, SW7B, WW9B, WW12B, FL 18 @ 3, and FL 82 @ 3) from the sidewalls and floor of the newly excavated area. Laboratory analytical results

indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 800 mg/kg in soil sample SW7B to 1,650 mg/kg in soil sample FL 82 @ 3.

The final dimensions of the excavated area were approximately 145 to 458 feet in length, 12 to 168 feet in width, and two (2) to four (4) feet in depth. During the course of remediation activities, Etech transported approximately 3,680 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 3,668 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

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

## **6.0 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 compacted and contoured 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 during the first favorable growing season following closure of the site.

## **7.0 SOIL CLOSURE REQUEST**

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Malaga 30 Battery release site.

## **8.0 LIMITATIONS**

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

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

## **9.0 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*

***Hobbs Field Office***

*New Mexico State Land Office*

*2827 North Dal Paso Street*

*Suite 117*

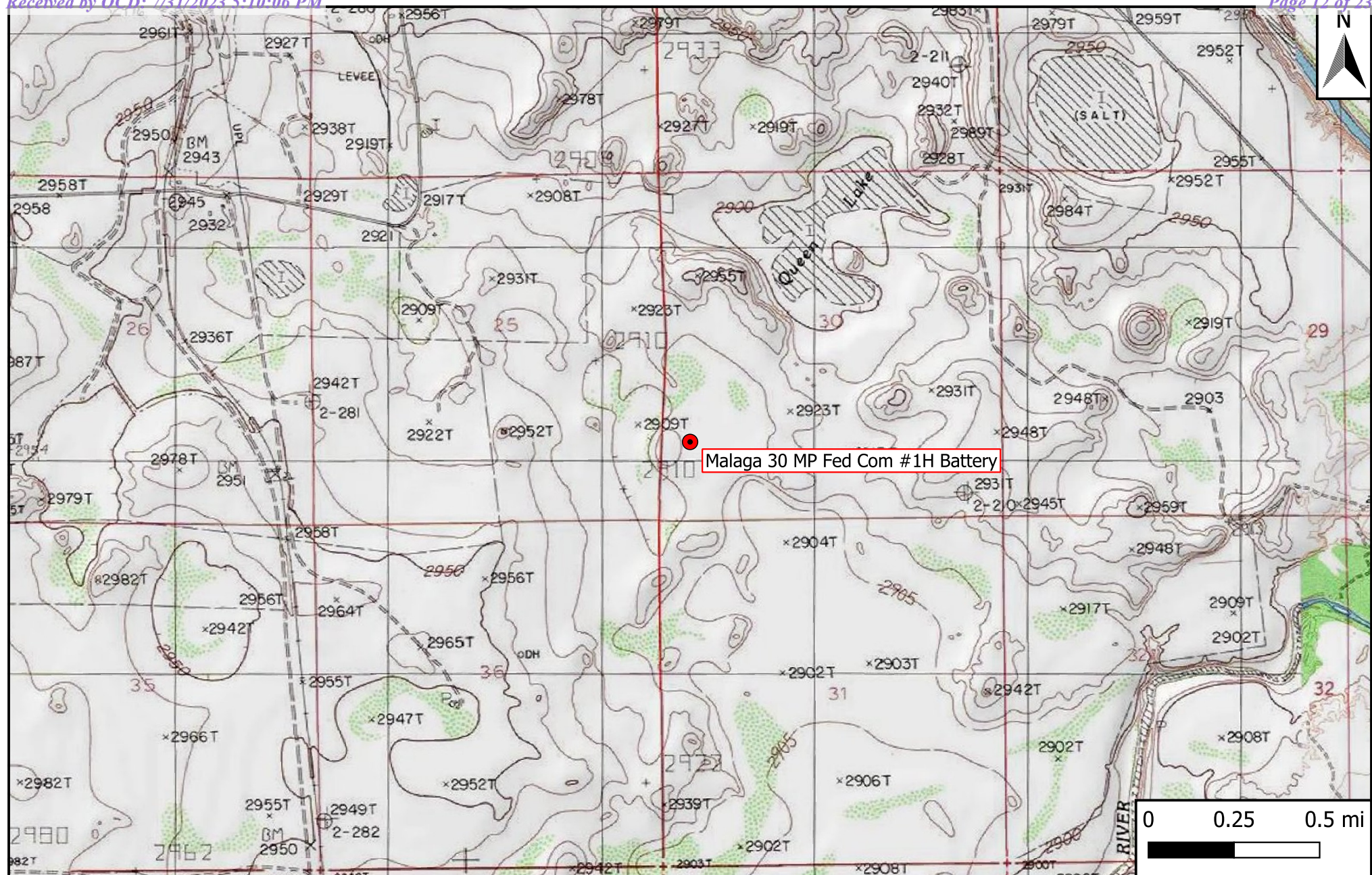
*Hobbs, NM 88240*

*(Electronic Submission)*

## **Figure 1**

### **Topographic Map**





Legend

● Site Location

**Figure 1**

Topographic Map  
 Mewbourne Oil Company  
 Malaga 30 MP Fed Com #1H Battery  
 GPS: 32.184393, -104.030739  
 Eddy County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: bja

Checked: lc

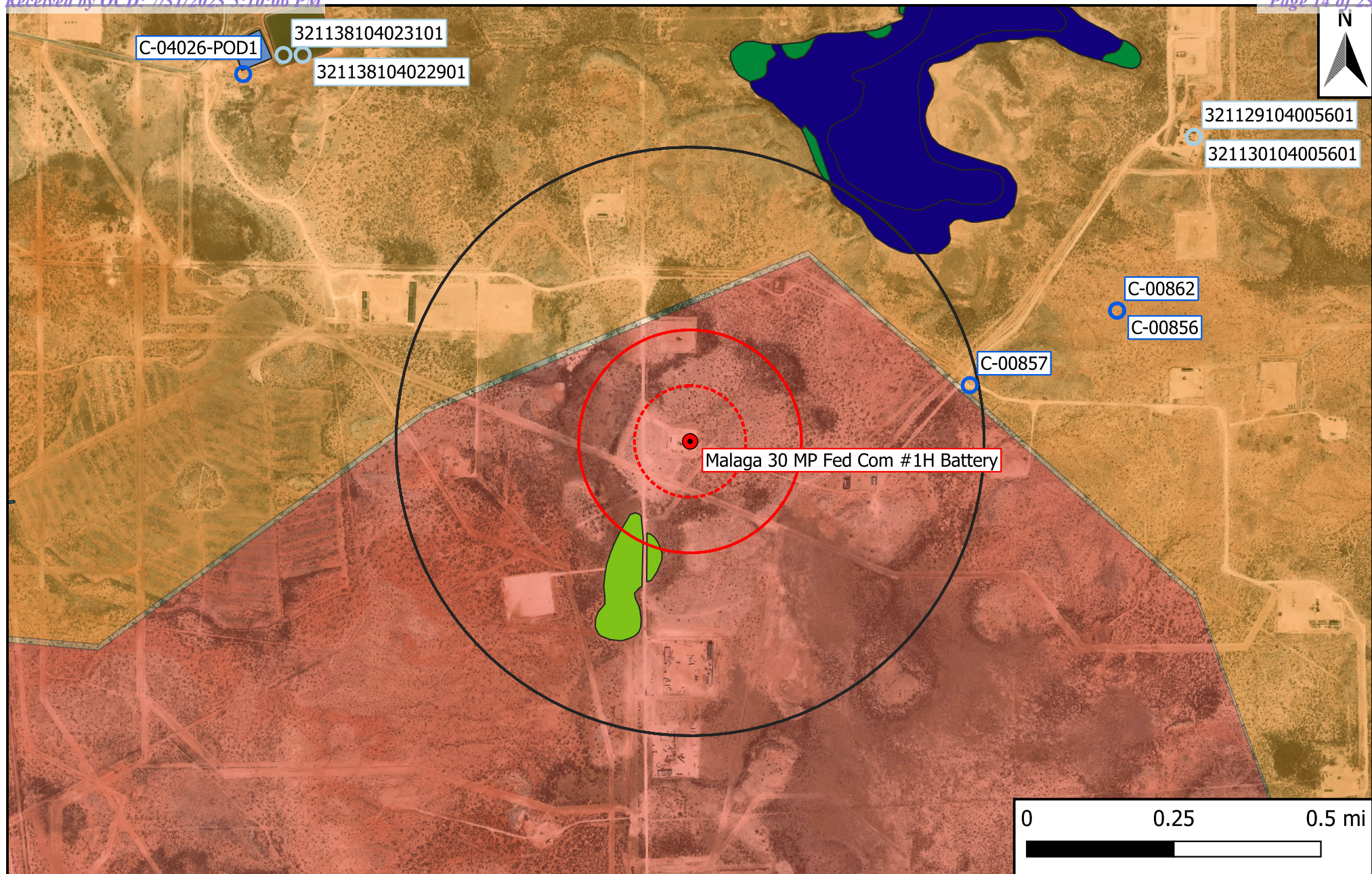
Date: 6/19/23



## **Figure 2**

### **Site Characterization 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 | Karst Potential (Low/Med./High) | Municipal Boundary |
| — Potash Mine Workings       | Riverine                        |                    |

**Figure 2**  
 Site Characterization Map  
 Mewbourne Oil Company  
 Malaga 30 MP Fed Com #1H Battery  
 GPS: 32.184393, -104.030739  
 Eddy County



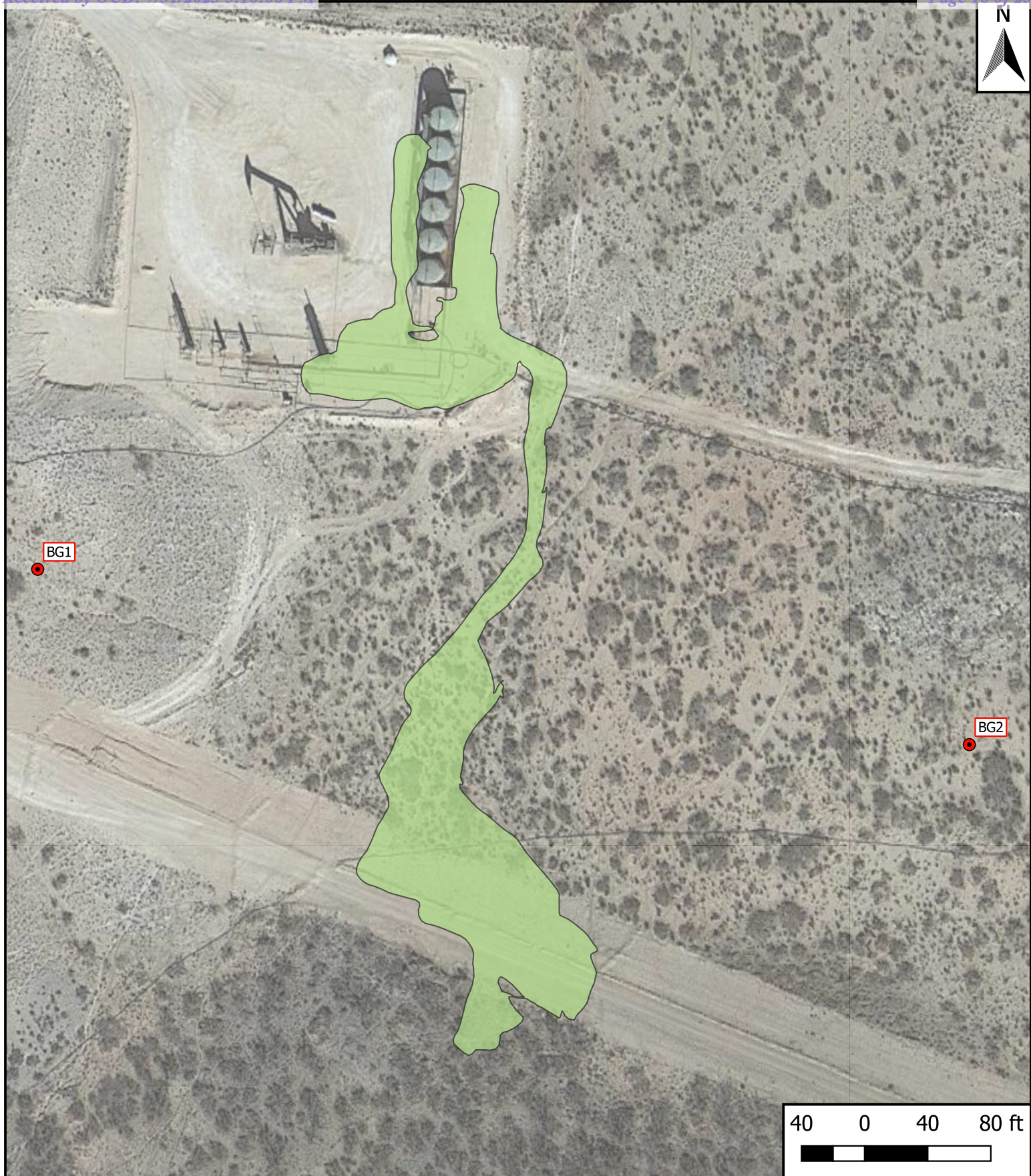
Drafted: bja

Checked: lc

Date: 6/16/23



## **Figure 3A & 3B Site & Sample Location Maps**



## Legend

- Affected Area
- Background Sample Location

**Figure 3A**

Site & Sample Location Map (Background)  
Mewbourne Oil Company  
Malaga 30 MP Fed Com #1H Battery  
GPS: 32.184393, -104.030739  
Eddy County

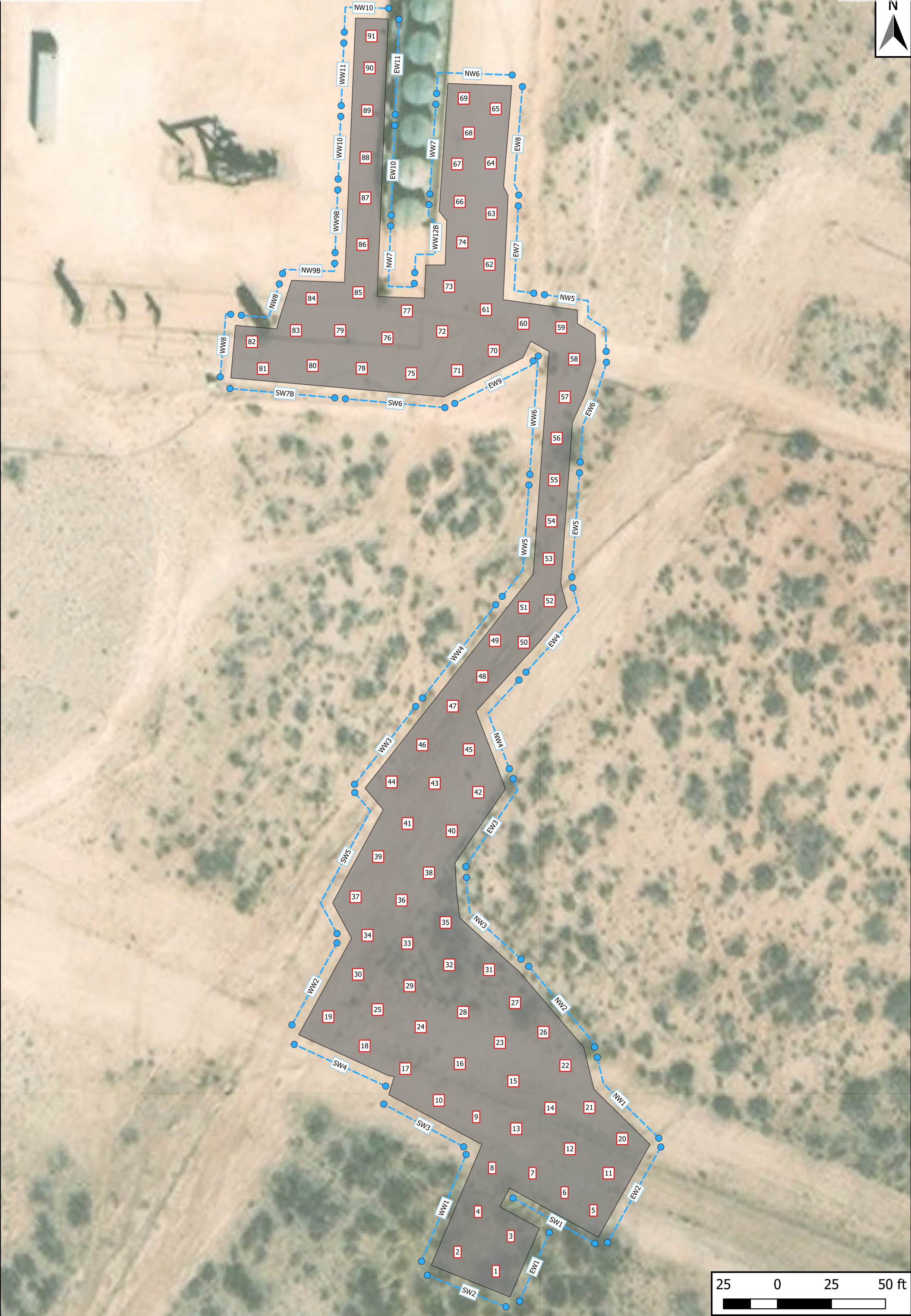


Drafted: bja

Checked: lc

Date: 7/31/23





<p><b>Legend</b></p> <ul style="list-style-type: none"><li>Excavation Extent</li><li>Composite Floor Sample</li><li>Composite Wall Sample</li></ul>	<p><b>Figure 3B</b> Site &amp; Sample Location Map (Excavation) Mewbourne Oil Company Malaga 30 MP Fed Com #1H Battery GPS: 32.184393, -104.030739 Eddy County</p>	<div></div> <div>Drafted: bja      Checked: lc      Date: 7/31/23</div>
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**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Malaga 30 MP Fed Com #1H Battery NMOCD Ref. #: nAPP2305942242											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	3,260
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	3,260
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
Delineation Samples											
BG-1 @ Sur	5/1/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
BG-1 @ 1	5/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,870
BG-1 @ 2	5/1/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
BG-1 @ 3	5/1/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
BG-1 @ 4	5/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
BG-2 @ Sur	5/1/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
BG-2 @ 1	5/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
BG-2 @ 2	5/1/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
BG-2 @ 3	5/1/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
BG-2 @ 4	5/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
Excavation Samples											
NW1	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,650
NW2	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
NW3	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
NW4	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
NW5	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
NW6	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW7	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	11.0	11.0	<10.0	11.0	400
NW8	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
NW9	5/15/2023	0-2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,680
NW9B	5/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
NW10	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,700
EW1	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW2	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW3	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW4	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
EW5	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,550
EW6	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
EW7	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
EW8	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	736
EW9	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
EW10	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,040
EW11	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
SW1	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
SW2	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW3	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW4	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW5	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
SW6	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
SW7	5/15/2023	0-2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
SW7B	5/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
WW1	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
WW2	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**  
**Mewbourne Oil Company**  
**Malaga 30 MP Fed Com #1H Battery**  
**NMOCD Ref. #: nAPP2305942242**

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	3,260
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	3,260
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
WW3	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
WW4	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
WW5	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
WW6	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
WW7	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
WW8	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
WW9	5/15/2023	0-2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
WW9B	5/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
WW10	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
WW11	5/15/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
WW12	5/15/2023	0-2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,680
WW12B	5/22/2023	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
FL 1 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 2 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,490
FL 3 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 4 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,360
FL 5 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 6 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 7 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 8 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 9 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 10 @ 4	5/15/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 11 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 12 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 13 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 14 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 15 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 16 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 17 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 18 @ 2	5/15/2023	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,800
FL 18 @ 3	5/22/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,230
FL 19 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 20 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 21 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 22 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 23 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 24 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	816
FL 25 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 26 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,330
FL 27 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL 28 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FL 29 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 30 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL 31 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.



**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**  
**Mewbourne Oil Company**  
**Malaga 30 MP Fed Com #1H Battery**  
**NMOCD Ref. #: nAPP2305942242**

NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	3,260
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	3,260
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 32 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 33 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 34 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 35 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 36 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
FL 37 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 38 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 39 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 40 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,080
FL 41 @ 2.5	5/15/2023	2.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 42 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
FL 43 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 44 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
FL 45 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 46 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,880
FL 47 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 48 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 49 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 50 @ 2	5/17/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,420
FL 51 @ 3	5/17/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
FL 52 @ 2	5/17/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
FL 53 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 54 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
FL 55 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 56 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 57 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	16.4	16.4	<10.0	16.4	1,140
FL 58 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	56.3	56.3	12.6	68.9	1,440
FL 59 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 60 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	28.8	28.8	<10.0	28.8	1,570
FL 61 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 62 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 63 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,720
FL 64 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	15.4	15.4	<10.0	15.4	816
FL 65 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 66 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL 67 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 68 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 69 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
FL 70 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,640
FL 71 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 72 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 73 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL 74 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 75 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,280

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Mewbourne Oil Company</b> <b>Malaga 30 MP Fed Com #1H Battery</b> <b>NMOCD Ref. #: nAPP2305942242</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	3,260
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	3,260
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 76 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 77 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 78 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,250
FL 79 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,470
FL 80 @ 4	5/17/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,640
FL 81 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	11.5	11.5	<10.0	11.5	3,200
FL 82 @ 2	5/15/2023	2	Excavated	<0.050	<0.300	<10.0	15.9	15.9	<10.0	15.9	<b>3,600</b>
FL 82 @ 3	5/22/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,650
FL 83 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 84 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	13.7	13.7	<10.0	13.7	2,080
FL 85 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
FL 86 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 87 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
FL 88 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 89 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 90 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 91 @ 2	5/15/2023	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

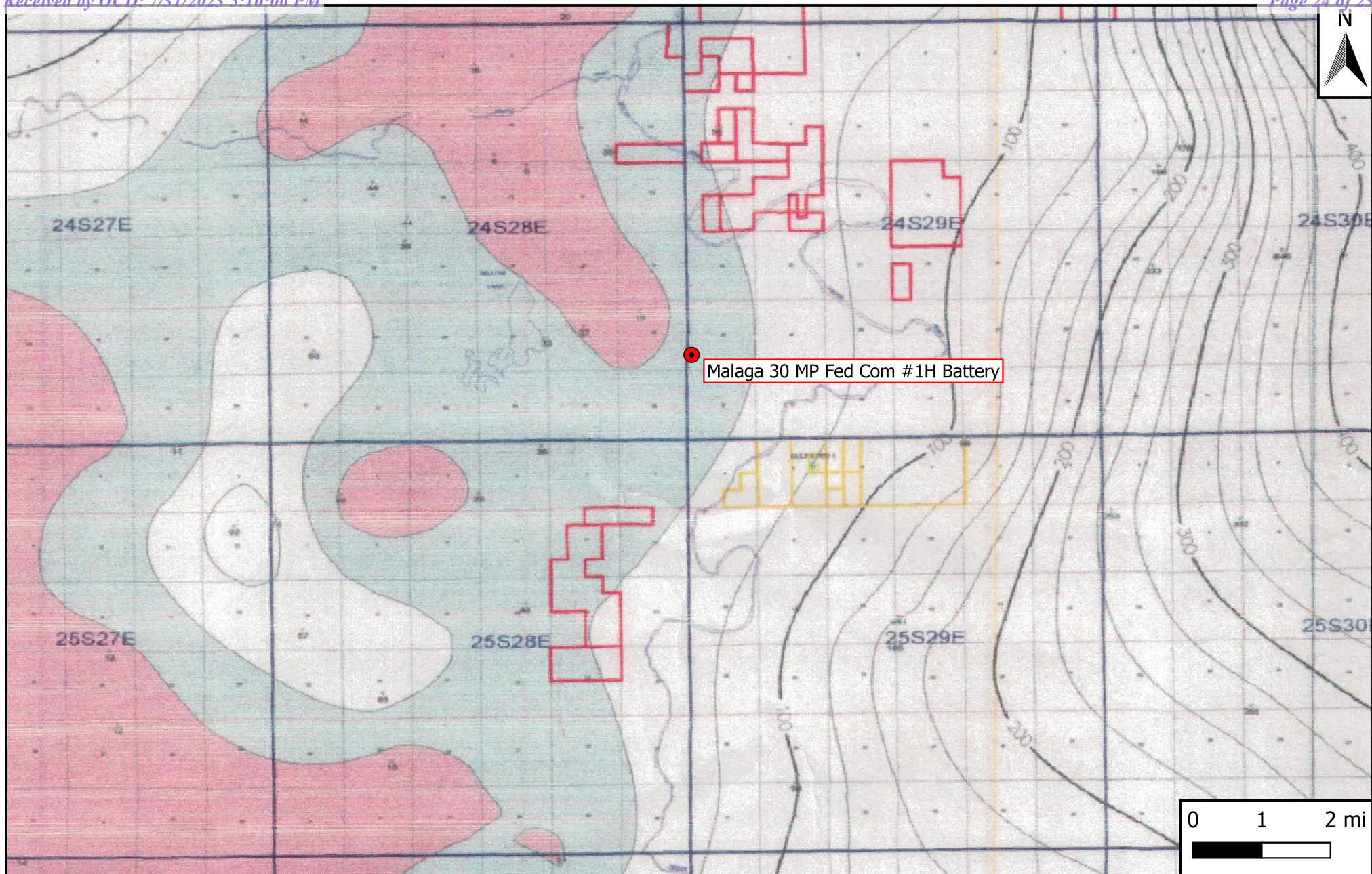
Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

## **Appendix A**

### **Depth to Groundwater Information**





## Legend

- Site Location

## Figure 4

Inferred Depth to Groundwater Trend Map  
Mewbourne Oil Company  
Malaga 30 MP Fed Com #1H Battery  
GPS: 32.184393, -104.030739  
Eddy County



Drafted: bja

Checked: lc

Date: 6/16/23





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
<a href="#">C_00857</a>		CUB	ED	3	1	4	30	24S	29E	592135	3561440*	780			306	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 1

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 591370

**Northing (Y):** 3561286.24

**Radius:** 804.67

\*UTM location was derived from PLSS - see Help

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


7/30/23 7:02 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



# 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)	
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
C	00857	3	1	4	30	24S	29E	592135	3561440* 
<b>Driller License:</b> 857		<b>Driller Company:</b> HIGH COUNTRY DRILLING & TRANSP							
<b>Driller Name:</b> E.O. BURKE									
<b>Drill Start Date:</b>	12/02/1958	<b>Drill Finish Date:</b>		12/16/1958		<b>Plug Date:</b>			
<b>Log File Date:</b>	06/29/1959	<b>PCW Rcv Date:</b>				<b>Source:</b> Shallow			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b>			
<b>Casing Size:</b>		<b>Depth Well:</b>		306 feet		<b>Depth Water:</b>			

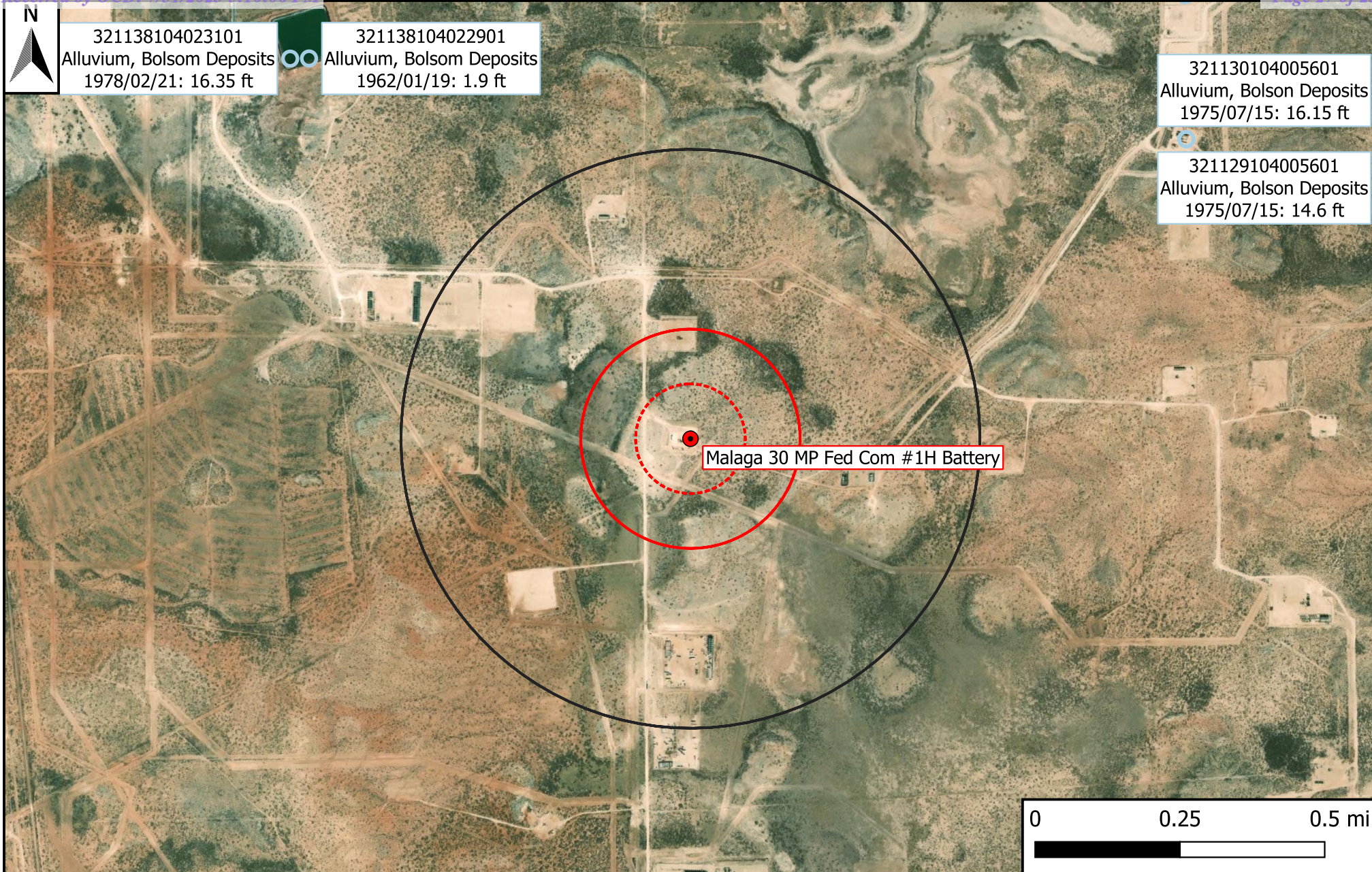
\*UTM location was derived from PLSS - see Help

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

7/30/23 7:02 PM

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  
Malaga 30 MP Fed Com #1H Battery  
GPS: 32.184393, -104.030739  
Eddy County



Drafted: bja

Checked: lc

Date: 6/16/23



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Important: [Next Generation Monitoring Location Page](#)**Search Results -- 1 sites found**

Agency code = usgs

site\_no list =

- 321138104022901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload**USGS 321138104022901 24S.28E.25.123222**

Eddy County, New Mexico

Latitude 32°11'38", Longitude 104°02'29" NAD27

Land-surface elevation 2,913 feet above NAVD88

The depth of the well is 65 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1947-10-22			D	72019	6.56		P	Z			A
1948-01-13			D	72019	5.84		1	Z			A
1949-01-29			D	72019	4.86		1	Z			A
1950-01-19			D	72019	3.02		1	Z			A
1951-01-17			D	72019	3.40		1	Z			A
1952-01-16			D	72019	2.79		1	Z			A
1955-01-19			D	72019	5.28		1	Z			A



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1956-01-11		D	72019	4.35			1	Z			A
1957-01-09		D	72019	4.50			1	Z			A
1958-01-16		D	72019	3.26			1	Z			A
1959-01-14		D	72019	0.70			1	Z			A
1961-02-27		D	72019	0.87			1	Z			A
1962-01-19		D	72019	1.90			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 321138104023101

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 321138104023101 24S.28E.25.123214

Eddy County, New Mexico  
Latitude 32°11'38", Longitude 104°02'31" NAD27  
Land-surface elevation 2,915 feet above NAVD88  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-02-21		D	72019	16.35			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2023-07-30 20:46:45 EDT

0.3 0.25 nadww01



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## Search Results -- 1 sites found

**Agency code** = usgs

**site\_no list** =

- 321129104005601

**Minimum number of levels** = 1

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## USGS 321129104005601 24S.29E.30.242A

Eddy County, New Mexico

Latitude 32°11'30", Longitude 104°00'56" NAD27

Land-surface elevation 2,911 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1974-12-16		D	72019	13.09			1	O	USGS	S	A
1975-07-15		D	72019	14.60			1	O	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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## Search Results -- 1 sites found

**Agency code** = usgs

```
site_no list =
```

- 321130104005601

**Minimum number of levels = 1**

Save file of selected sites to local disk for future upload

**USGS 321130104005601 24S.29E.30.242**

Eddy County, New Mexico

Latitude 32°11'30", Longitude 104°00'56" NAD27

Land-surface elevation 2,911 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

## Output formats

## Table of data

## Tab-separated data

Graph of data

### Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1970-03-13		D	72019	15.33			1	O	USGS	S	A
1974-12-16		D	72019	14.65			1	O	USGS	S	A
1975-07-15		D	72019	16.15			1	O	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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## **Appendix B**

### **Field Data & Soil Profile Logs**





HS = High Strip

## Sample Log

Date: \_\_\_\_\_

Project: Malaga 30 MP Fed Com 1H Battery

Project Number: 17780

Latitude: 32.184393

Longitude: -104.030739

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 1 @ 4	6.0	None	1,308
FL 2 @ 4	6.8	—	1,716
FL 3 @ 4	7.2	—	1,968
FL 4 @ 4	7.4	—	2,104
FL 5 @ 4	3.2	—	408
FL 6 @ 4	5.2	—	984
FL 7 @ 4	2.8	—	328
FL 8 @ 4	4.6	—	780
FL 9 @ 4	4.0	—	604
FL 10 @ 4	2.8	—	328
SW 1	6.0	—	1,308
SW 2	HS 4.6	—	3,392
SW 3	3.4	—	452
NW 1	7.0	—	1,840
WW 1	HS 4.6	—	3,392
EW 1	3.2	—	408
EW 2	3.8	—	552
EW 3	2.8	—	328
FL 11 @ 2	HS 5.8	—	2,628
FL 12 @ 2	HS 5.8	—	5,464
FL 13 @ 2	HS 6.4	—	6,884
FL 14 @ 2	HS 4.6	—	2,864
FL 15 @ 2	6.8	—	1,716
FL 16 @ 2	HS 5.0	—	5,992
FL 17 @ 2	4.0	—	604
FL 18 @ 2	4.0	—	604
FL 19 @ 2	HS 5.0	—	3,992
FL 20 @ 2	HS 5.0	—	3,992
FL 21 @ 2	HS 5.4	—	4,676
FL 22 @ 2	4.6	—	780
FL 23 @ 2	7.8	—	2,444
FL 24 @ 2	5.8	—	1,220
FL 25 @ 2	6.0	—	1,308
NW 2	6.0	—	1,308
NW 3	7.6	—	2,272
EW 2	6.2	—	1,400

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Malaga 30 MP feed Com. FB

## Sample Log

Date:

Project:

Project Number: 17737      Latitude: 32.170479      Longitude: -104.032535

[illegible]

Sample Point = SP #1 @ ## etc

**Floor = FL #1 etc**

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

**Stockpile = Stockpile #1**

GPS Sample Points, Center of Comp Areas





## Sample Log

Date: \_\_\_\_\_

Project: Malaga 30 MP Fed Com 1H Battery

Project Number: 17780

Latitude: 32.184393

Longitude: -104.030739

Sample ID	PID/Odor	Chloride Conc.	GPS
WW2 4.2	—	660	
WW3 6.6	—	1,604	
SW4 3.4	—	452	
FL26 High strip 5.0	—	4,252	
FL27 High strip 6.0	—	6,204	
FL28 High strip 5.8	—	5,724	
FL29 High strip 5.0	—	4,252	5464
FL30 High strip 6.4	—	7,312	
FL31 High strip 6.6	—	7,952	
FL32 High strip 5.8	—	5,724	
FL33 High strip 5.6	—	5,280	
FL34 High strip 4.2	—	4,968	
FL35 High strip 4.6	—	3,532	2864
FL36 High strip 6.0	—	6,204	
FL37 High strip 7.8	—	13,780	6884
FL38 High strip 4.0	—	2,752	
FL39 High strip 7.0	—	9,452	
FL40 High strip 4.8	—	2,192	
FL42 High strip 4.0	—	2,752	500
FL42 High strip 5.0	—	4,152	
FL43 High strip 6.0	—	6,204	
FL44 High strip 6.8	—	8,664	
FL45 High strip 4.6	—	3,532	
FL46 High strip 6.0	—	6,204	2404
FL47 @ 2 HS 4.8	—	3808	
FL48 @ 2 HS 5.2	—	4492	
FL49 @ 2 HS 6.0	—	6156	
FL50 @ 2 8.0	—	2500	
FL51 @ 2 HS 5.8	—	5696	
FL52 @ 2 HS 4.0	—	2,708	
FL53 @ 2 7.6	—	7232	
FL54 @ 2 5.4	—	1048	
FL55 @ 2 4.0	—	600	
SW5 5.0	—	904	
NW3 7.8	—	2,396	
NW4 7.2	—	1944	

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
EW5 7.2	—	1944	
EW6 7.6	—	2232	
EW7 5.0	—	904	
WW4 4.8	—	804	
WW5 HS 4.6	—	3516	
WW6 8.0	—	2580	
FL 56 @2 4.8	✓	840	
FL 57 @2 5.8	—	912	
FL 58 @2 6.2	—	1400	
FL 59 @2 6.2	—	1400	
FL 60 @2 5.0	—	912	
FL 61 @2 4.8	—	844	
FL 62 @2 5.6	—	1136	
FL 63 @2 HS 4.0	—	2708	
FL 64 @2 4.0	—	604	
FL 65 @2 HS 3.6	—	2248	
FL 66 @2 5.0	—	912	
FL 67 @2 3.4	—	452	
FL 68 @2 2.0	—	200	
FL 69 @2 5.2	—	984	
EW8 4.0	—	604	
WW7 5.2	—	984	
NW5 4.8	✓	844	
NW6 2.0	—	200	
SW6 5.2	—	984	
FL 70 @2 HS 4.0	—	2708	
FL 71 @2 HS 4.1	—	2708	
FL 72 @2 5.0	—	904	
FL 73 @2 5.0	—	904	
FL 74 @2 7.2	—	1244	
FL 75 @2 HS 7.8	—		
FL 76 @2 HS 9.0	—		
FL 77 @2 HS 8.8	—		
FL 78 @2 HS 7.0	—		
FL 79 @2 HS 9.0	—		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas





## Sample Log

Date: \_\_\_\_\_

Project: ~~Fleetwood Water Line~~

Project Number: 17737 Latitude: 32.170479 Longitude: -104.032535

Sample ID	PID/Odor	Chloride Conc.	GPS
FL 80 @ 2	HS 7.0	—	
FL 81 @ 2	HS 4.0	—	2708
FL 82 @ 2	HS 4.0	—	2708
FL 83 @ 2	HS 7.8	—	2472
FL 84 @ 2	HS 7.8	—	2472
FL 85 @ 2	HS 4.0	—	2208
FL 86 @ 2	HS 4.0	—	2708
FL 87 @ 2	6.6	—	1588
SW 7	6.6	—	1588
EW 9	3.4	—	456
WW 8	5.0	—	912
WW 9	4.0	—	604
NW 12	5.0	—	912
NW 8	6.6	—	1604
NW 9	4.0	—	604
NW 7	3.4	—	456
FL 12 @ 2 1/2	3.4		
FL 13 @ 2 1/2	4.0		
FL 16 @ 2 1/2	6.6		
FL 19 @ 2 1/2	6.6		
FL 21 @ 2 1/2	3.8		
FL 20 @ 2 1/2	6.0		
SW 2	4.0		
WUS	4.0		
FL 41 @ 2.5	5.0		
FL 75 @ 4	7.0	—	1816
FL 77 @ 4	6.0	—	1296
FL 79 @ 4	6.0	—	1296
FL 76 @ 4	7.4	—	2080
FL 78 @ 4	6.0	—	1484
FL 80 @ 4	7.0	—	2080
FL 51 @ 3	6.0	—	1296
FL 47 @ 3	6.0	—	1296
FL 48 @ 3	5.0	—	912
FL 49 @ 3	5.0	—	912
FL 45 @ 3	4.8	—	844

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



## **Appendix C**

### **Photographic Log**

## Photographic Log

<b>Photo Number:</b> 1	 <p>14Feb23 09:24 Ad-hoc, Malaga 30 MP Loving NM 88256, United States © 14-Feb-23 09:24:09</p>
<b>Photo Direction:</b> South-Southwest	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 2	 <p>14Feb23 09:24 Ad-hoc, Malaga 30 MP Loving NM 88256, United States © 14-Feb-23 09:24:46</p>
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: South	
Photo Description:  View of the affected area.	

Photo Number: 4	
Photo Direction: South-Southeast	
Photo Description:  View of the affected area.	



## Photographic Log


<b>Photo Number:</b> 5	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the affected area.	




## Photographic Log


<b>Photo Number:</b> 7	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 8	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	




## Photographic Log


<b>Photo Number:</b> 9	<div>May 23, 2023 at 12:21 PM +32.184301,-104.030871</div>  A photograph showing a large, rectangular excavation pit in a dry, sandy area. In the background, a generator and other equipment are visible. Power lines and poles are in the distance under a clear blue sky. The ground is reddish-brown soil.
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 10	<div>May 23, 2023 at 12:21 PM +32.184260,-104.030772</div>  A photograph showing a large, rectangular excavation pit in a dry, sandy area. In the background, a generator and other equipment are visible. Power lines and poles are in the distance under a clear blue sky. The ground is reddish-brown soil.
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the excavated area.	




## Photographic Log

<b>Photo Number:</b> 11	<div>May 23, 2023 at 12:18 PM +32.183029,-104.030732</div> 
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 12	<div>May 23, 2023 at 12:18 PM +32.183555,-104.031588</div> 
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the excavated area.	




## Photographic Log

<b>Photo Number:</b> 13	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 14	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	




## Photographic Log

<b>Photo Number:</b> 15	 <p>June 13, 2023 at 7:54 AM +32.184229,-104.030675</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 16	 <p>June 13, 2023 at 7:55 AM +32.183950,-104.030553</p>
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

## Photographic Log

<b>Photo Number:</b> 17	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 18	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	



## **Appendix D**

### **Laboratory Analytical Reports**



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

May 02, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MALAGA 30 MP FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/01/23 11:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	05/01/2023	Sampling Date:	05/01/2023
Reported:	05/02/2023	Sampling Type:	Soil
Project Name:	MALAGA 30 MP FED COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	17780	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: BG - 1 @ SURFACE (H232124-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961		
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429		
Total BTEX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 @ 1 (H232124-02)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTX	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1870	16.0	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 @ 2 (H232124-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTEX	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 @ 3 (H232124-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961		
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429		
Total BTEX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	05/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 1 @ 4 (H232124-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTEX	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 @ SURFACE (H232124-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTEx	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 @ 1 (H232124-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTEX	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	05/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 @ 2 (H232124-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961		
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429		
Total BTEX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	05/02/2023	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	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 @ 3 (H232124-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961		
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896		
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607		
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429		
Total BTEX	<0.300	0.300	05/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/01/2023  
 Reported: 05/02/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BG - 2 @ 4 (H232124-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/01/2023	ND	2.00	100	2.00	0.961	
Toluene*	<0.050	0.050	05/01/2023	ND	2.03	101	2.00	0.896	
Ethylbenzene*	<0.050	0.050	05/01/2023	ND	2.02	101	2.00	0.607	
Total Xylenes*	<0.150	0.150	05/01/2023	ND	6.21	104	6.00	0.429	
Total BTEx	<0.300	0.300	05/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	96.9	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	183	91.4	200	0.249	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>															
Address: 2617 W Marland				Company: <u>Marbourn</u>																			
City: Hobbs State: NM Zip: 88240				Attn: <u>Jeff Broom</u>																			
Phone #: (575) 264-9884 Fax #:				Address: <u>4901 Bosque Blvd</u>																			
Project #: <u>17780</u> Project Owner: <u>Mewbourn</u>				City: <u>Hobbs</u>																			
Project Name: <u>Malaga 30 mp Fed Com / H Battery</u>				State: <u>NM</u> Zip: <u>88240</u>																			
Project Location: <u>Rural Malaga</u>				Phone #:																			
Sampler Name: <u>Dominic Casarez</u>				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING													
				GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
<u>H232124</u>																							
<u>DC</u>		<u>1 BG 1 @ Sur</u>		<u>G</u>																<u>5-1</u>			
<u>2</u>		<u>BG 1 @ 1</u>		<u>G</u>																			
<u>3</u>		<u>BG 1 @ 2</u>		<u>G</u>																			
<u>4</u>		<u>BG 1 @ 3</u>		<u>G</u>																			
<u>5</u>		<u>BG 1 @ 4</u>		<u>G</u>																			
<u>6</u>		<u>BG 2 @ Sur</u>		<u>G</u>																			
<u>7</u>		<u>BG 2 @ 1</u>		<u>G</u>																			
<u>8</u>		<u>BG 2 @ 2</u>		<u>G</u>																			
<u>9</u>		<u>BG 2 @ 3</u>		<u>G</u>																			
<u>10</u>		<u>BG 2 @ 4</u>		<u>G</u>																			
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Relinquished By: <u>[Signature]</u>				Date: <u>5-1</u>		Received By: <u>[Signature]</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:									
				Time: <u>1142</u>						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:									
Relinquished By:				Date:		Received By:				REMARKS: <u>Push! 24 hrs.</u>													
				Time:						Please email results and copy of CoC to pm@etechenv.com.													
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY:													
Sampler - UPS - Bus - Other:				<u>5.7c / 5.1c</u>		Cool Intact				(Initials)													
						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<u>T.O.</u>													

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

May 22, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MALAGA 30 MP FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 91 @ 2 (H232433-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77	
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75	
Total BTX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 1 (H232433-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 2 (H232433-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 3 (H232433-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 4 (H232433-05)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 5 (H232433-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.20	110	2.00	4.77		
Toluene*	<0.050	0.050	05/17/2023	ND	2.23	111	2.00	5.43		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.35	117	2.00	6.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.92	115	6.00	6.75		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 6 (H232433-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 7 (H232433-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	11.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 8 (H232433-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.19	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	170	85.0	200	13.4	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 9 (H232433-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	QR-03
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	QR-03
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 3 (H232433-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 4 (H232433-12)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 5 (H232433-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 6 (H232433-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 7 (H232433-15)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 8 (H232433-16)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 9 (H232433-17)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 10 (H232433-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 11 (H232433-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 1 (H232433-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 2 (H232433-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 3 (H232433-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 4 (H232433-23)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 5 (H232433-24)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31	
Total BTX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 6 (H232433-25)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 7 (H232433-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	4.98		
Toluene*	<0.050	0.050	05/18/2023	ND	2.22	111	2.00	3.72		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.13	107	2.00	2.57		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.59	110	6.00	2.31		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 8 (H232433-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	05/17/2023	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	05/16/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/16/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/16/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 9 (H232433-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	05/17/2023	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	05/17/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 10 (H232433-29)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	204	102	200	2.01	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	198	99.1	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 11 (H232433-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 10 (H232433-31)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1700	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 1 (H232433-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 2 (H232433-33)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 3 (H232433-34)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 4 (H232433-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 5 (H232433-36)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 6 (H232433-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 7 (H232433-38)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 1 (H232433-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EW 2 (H232433-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 81 @ 2 (H232433-41)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	11.5	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 82 @ 2 (H232433-42)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	15.9	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 83 @ 2 (H232433-43)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/17/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 84 @ 2 (H232433-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	0.481		
Toluene*	<0.050	0.050	05/18/2023	ND	2.11	105	2.00	0.0983		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	1.14		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	107	6.00	1.97		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	13.7	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 85 @ 2 (H232433-45)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/18/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	107	6.00	1.97	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 86 @ 2 (H232433-46)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	0.481	
Toluene*	<0.050	0.050	05/18/2023	ND	2.11	105	2.00	0.0983	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	1.14	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	107	6.00	1.97	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 87 @ 2 (H232433-47)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 88 @ 2 (H232433-48)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 89 @ 2 (H232433-49)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2023	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	05/17/2023	ND	182	91.1	200	3.06	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	186	93.1	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 90 @ 2 (H232433-50)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 67 @ 2 (H232433-51)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 68 @ 2 (H232433-52)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 69 @ 2 (H232433-53)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 70 @ 2 (H232433-54)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 71 @ 2 (H232433-55)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 72 @ 2 (H232433-56)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 73 @ 2 (H232433-57)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 74 @ 2 (H232433-58)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 57 @ 2 (H232433-59)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	16.4	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 58 @ 2 (H232433-60)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	56.3	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	12.6	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 59 @ 2 (H232433-61)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 60 @ 2 (H232433-62)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	28.8	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 61 @ 2 (H232433-63)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 62 @ 2 (H232433-64)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 63 @ 2 (H232433-65)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07	
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 64 @ 2 (H232433-66)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.12	106	2.00	3.07		
Toluene*	<0.050	0.050	05/18/2023	ND	2.07	103	2.00	2.41		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.18	109	2.00	0.123		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.45	108	6.00	0.758		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	15.4	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 65 @ 2 (H232433-67)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99	
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30	
Total BTEx	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 66 @ 2 (H232433-68)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 21 @ 2.5 (H232433-69)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/17/2023	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	05/17/2023	ND	178	89.0	200	1.09	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	181	90.5	200	1.92	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 22 @ 2 (H232433-70)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 23 @ 2 (H232433-71)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 24 @ 2 (H232433-72)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 25 @ 2 (H232433-73)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 41 @ 2.5 (H232433-74)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 53 @ 2 (H232433-75)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 54 @ 2 (H232433-76)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 55 @ 2 (H232433-77)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
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 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 56 @ 2 (H232433-78)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 11 @ 2 (H232433-79)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 12 @ 2.5 (H232433-80)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 13 @ 2.5 (H232433-81)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 14 @ 2 (H232433-82)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 15 @ 2 (H232433-83)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 16 @ 2.5 (H232433-84)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 17 @ 2 (H232433-85)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 18 @ 2 (H232433-86)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	3.99		
Toluene*	<0.050	0.050	05/18/2023	ND	1.99	99.3	2.00	5.19		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.08	104	2.00	3.73		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.15	103	6.00	3.30		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 19 @ 2.5 (H232433-87)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 20 @ 2.5 (H232433-88)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/17/2023	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	05/17/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 1 @ 4 (H232433-89)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/17/2023	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	05/18/2023	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	195	97.6	200	1.43	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 2 @ 4 (H232433-90)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	05/17/2023	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	05/17/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 3 @ 4 (H232433-91)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/17/2023	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	05/17/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 4 @ 4 (H232433-92)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	05/17/2023	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	05/17/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 5 @ 4 (H232433-93)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2023	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	05/17/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 6 @ 4 (H232433-94)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	05/17/2023	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	05/18/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 7 @ 4 (H232433-95)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/17/2023	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	05/18/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 8 @ 4 (H232433-96)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	05/17/2023	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	05/18/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 9 @ 4 (H232433-97)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57		
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54		
Total BTEX	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/17/2023	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	05/18/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 10 @ 4 (H232433-98)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.23	111	2.00	4.57	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	5.23	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.14	107	2.00	4.49	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.53	109	6.00	3.54	
Total BTEX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2023	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	05/18/2023	ND	180	90.0	200	0.865	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	167	83.5	200	0.184	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

**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.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: <u>Lance Crewshaw</u>				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: <u>Mewbourn</u>																									
City: Lovington State: NM Zip: 88260				Attn: <u>Jeff Broom</u>																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: <u>4801 Busp Blvd</u>																									
Project #: <u>17780</u> Project Owner: <u>Mewbourn</u>				City: <u>Hobbs</u>																									
Project Name: <u>Malaga 30mp telecom 1H</u>				State: <u>NM</u> Zip: <u>88240</u>																									
Project Location: <u>Rural Eddy</u>				Phone #:																									
Sampler Name: <u>Dominic Casarez</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>H232433</u>				(C) 1				✓				✓		5/15/23				<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>											
1		FL 91 @ 2		(C) 1				✓				✓		↓				✓											
2		NW 1		(C) 1				✓				✓		↓				✓											
3		NW 2		(C) 1				✓				✓		↓				✓											
4		NW 3		(C) 1				✓				✓		↓				✓											
5		NW 4		(C) 1				✓				✓		↓				✓											
6		NW 5		(C) 1				✓				✓		↓				✓											
7		NW 6		(C) 1				✓				✓		↓				✓											
8		NW 7		(C) 1				✓				✓		↓				✓											
9		NW 8		(C) 1				✓				✓		↓				✓											
10		NW 9		(C) 1				✓				✓		↓				✓											

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Relinquished By: <u>[Signature]</u>		Date: <u>5-16-23</u>		Received By: <u>[Signature]</u>		Phone Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: <u>0820</u>						Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One) <u>#13</u>						Sample Condition			
Sampler - UPS - Bus - Other: <u>-14.0c/-14.6c</u>						Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No			
						CHECKED BY: (Initials) <u>[Signature]</u>			

Please email results to [pm@etechenv.com](mailto:pm@etechenv.com).



# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Lance Crenshaw				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
<b>Address:</b> P.O. Box 301				<b>Company:</b> NEWBOURN																	
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Jeff Broom															
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 4801 Busp Blvd																	
<b>Project #:</b> 17780		<b>Project Owner:</b> Newbourn		<b>City:</b> Hobbs																	
<b>Project Name:</b> Malaga 30 MP Fed com 1H				<b>State:</b> NM				<b>Zip:</b> 88240													
<b>Project Location:</b> Rural Eddy				<b>Phone #:</b>																	
<b>Sampler Name:</b> Dominic Casarez				<b>Fax #:</b>																	

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER					
11232433	DC11	EW3	C	1										5/15/23					
	12	EW4	C	1															
	13	EW5	C	1															
	14	EW6	C	1															
	15	EW7	C	1															
	16	EW8	C	1															
	17	EW9	C	1															
	18	EW10	C	1															
	19	EW11	C	1															
	20	WW1	C	1															

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<b>Relinquished By:</b>  <b>Relinquished By:</b>	<b>Date:</b> 5/11/23 <b>Time:</b> 0850	<b>Received By:</b>  <b>Received By:</b>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b>
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: -14.0: C-0.0: -14.0: #113			<b>CHECKED BY:</b> (Initials) 

Please email results to pm@etechenv.com.

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# ARDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																															
Project Manager: <u>Lane Crenshaw</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																															
Address: 2617 W Marland				Company: <u>Mewbourn</u>																																			
City: Hobbs		State: NM Zip: 88240		Attn: <u>Jeff Broom</u>																																			
Phone #: (575) 264-9884		Fax #:		Address: <u>4801 Busby Blvd</u>																																			
Project #: <u>17780</u>		Project Owner: <u>Mewbourn</u>		City: <u>Hobbs</u>																																			
Project Name: <u>Malaga 30mp fed Com 1H</u>				State: <u>NM</u> Zip: <u>88240</u>																																			
Project Location: <u>Rural Eddy</u>				Phone #:																																			
Sampler Name: <u>Dominic Casarez</u>				Fax #:																																			
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		CONTAINERS		MATRIX		PRESERV.		SAMPLING																											
								GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER		ACID/BASE		ICE / COOL		OTHER		DATE		TIME													
<u>H230433</u>				<u>C</u>		<u>1</u>																																	
<u>DC21</u>		<u>WW2</u>		<u>C</u>		<u>1</u>																																	
<u>22</u>		<u>WW3</u>		<u>C</u>		<u>1</u>																																	
<u>23</u>		<u>WW4</u>		<u>C</u>		<u>1</u>																																	
<u>24</u>		<u>WW5</u>		<u>C</u>		<u>1</u>																																	
<u>25</u>		<u>WW6</u>		<u>C</u>		<u>1</u>																																	
<u>26</u>		<u>WW7</u>		<u>C</u>		<u>1</u>																																	
<u>27</u>		<u>WW8</u>		<u>C</u>		<u>1</u>																																	
<u>28</u>		<u>WW9</u>		<u>C</u>		<u>1</u>																																	
<u>29</u>		<u>WW10</u>		<u>C</u>		<u>1</u>																																	
<u>30</u>		<u>WW11</u>		<u>C</u>		<u>1</u>																																	

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Relinquished By: <u>[Signature]</u>	Date: <u>5/15/23</u>	Received By: <u>[Signature]</u>	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) <u>-14.0. C.O.U.</u>	Sample Condition <u>Cool Intact</u>	CHECKED BY: <u>[Signature]</u>	REMARKS:	
Sampler - UPS - Bus - Other: <u>-14.0. #113</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Please email results and copy of CoC to pm@etechenv.com.	



**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.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Land Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <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);">BTX (8021B)</div> </div>											
Address: P.O. Box 301				Company: Newbourn															
City: Lovington State: NM Zip: 88260				Attn: Jeff Broom															
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address: 4801 Bus p Blvd															
Project #: 17780 Project Owner: Newbourn				City: Hobbs															
Project Name: Malaga 30 Mp Fedcom 1H				State: NM Zip: 88240															
Project Location: Rural Eddy				Phone #:															
Sampler Name: DOMINIC CASARZ				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)	MATRIX				PRESERV.	SAMPLING									
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							ACID/BASE:	ICE / COOL	OTHER :
H232433											DATE	TIME							
31	NW10																		
32	SW1																		
33	SW2																		
34	SW3																		
35	SW4																		
36	SW5																		
37	SW6																		
38	SW7																		
39	EV1																		
40	EV2																		

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Relinquished By:		Date: 5/14/23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: 0820	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
		Date:		REMARKS:	
		Time:			

Delivered By: (Circle One) -140- C.O.U.  
 Sampler - UPS - Bus - Other: -140- #115

Sample Condition  
 Cool Intact  
☐ Yes ☐ No    ☐ Yes ☐ No

CHECKED BY:

Please email results to [pm@etechenv.com](mailto:pm@etechenv.com).

FORM-006  
Revision 1.0

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# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																																																																																																																																																																																																																																																													
<b>Project Manager:</b> Lance Crenshaw				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																																																																																																																																																																																																																																																													
<b>Address:</b> P.O. Box 301				<b>Company:</b> Mewbourn																																																																																																																																																																																																																																																																																	
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Jeff Broom																																																																																																																																																																																																																																																																															
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 4801 Busp Blvd																																																																																																																																																																																																																																																																																	
<b>Project #:</b> 17780		<b>Project Owner:</b> Mewbourn		<b>City:</b> Hobbs																																																																																																																																																																																																																																																																																	
<b>Project Name:</b> Malaga 30 MP fed com 1H				<b>State:</b> NM <b>Zip:</b> 88240																																																																																																																																																																																																																																																																																	
<b>Project Location:</b> Rural Eddy				<b>Phone #:</b>																																																																																																																																																																																																																																																																																	
<b>Sampler Name:</b> Dominic Casarez				<b>Fax #:</b>																																																																																																																																																																																																																																																																																	
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th rowspan="2">(G)RAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="5">MATRIX</th> <th colspan="2">PRESERV.</th> <th colspan="2">SAMPLING</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> <th rowspan="2">Chloride</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> </tr> <tr> <th></th> <th></th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER</th> <th>ACID/BASE</th> <th>ICE / COOL</th> <th>OTHER</th> </tr> </thead> <tbody> <tr> <td>H232433</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>41</td> <td>FL81 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>42</td> <td>FL82 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>43</td> <td>FL83 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>44</td> <td>FL84 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>45</td> <td>FL85 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>46</td> <td>FL86 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>47</td> <td>FL87 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>48</td> <td>FL88 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>49</td> <td>FL89 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50</td> <td>FL90 @ 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	H232433																					41	FL81 @ 2																				42	FL82 @ 2																				43	FL83 @ 2																				44	FL84 @ 2																				45	FL85 @ 2																				46	FL86 @ 2																				47	FL87 @ 2																				48	FL88 @ 2																				49	FL89 @ 2																				50	FL90 @ 2																			
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<b>Relinquished By:</b> [Signature]				<b>Date:</b> 5/11/23 <b>Time:</b> 0820				<b>Received By:</b> [Signature]				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>																																																																																																																																																																																																																																																																					
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<b>Delivered By: (Circle One)</b> -14.0: c.o.u.				<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<b>CHECKED BY:</b> [Signature]				<b>REMARKS:</b>																																																																																																																																																																																																																																																																									
<b>Sampler - UPS - Bus - Other:</b> -14.0: #113												Please email results to pm@etechenv.com.																																																																																																																																																																																																																																																																									

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# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Lance Crenshaw				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
<b>Address:</b> P.O. Box 301				<b>Company:</b> Newbourn																	
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Jeff Broom															
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 4801 Busp Blvd																	
<b>Project #:</b> 17780		<b>Project Owner:</b> Menbourn		<b>City:</b> Hobbs		<b>State:</b> NM														<b>Zip:</b> 88240	
<b>Project Name:</b> Malaga Mp fed com 1H				<b>Phone #:</b>																	
<b>Project Location:</b> Rural Eddy				<b>Fax #:</b>																	
<b>Sampler Name:</b> Dominic Casarez																					

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. #	CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
4232433		51	FL 67 @ 2	C	1															
		52	FL 68 @ 2	C	1															
		53	FL 69 @ 2	C	1															
		54	FL 70 @ 2	C	1															
		55	FL 71 @ 2	C	1															
		56	FL 72 @ 2	C	1															
		57	FL 73 @ 2	C	1															
		58	FL 74 @ 2	C	1															
DC No			<del>FL 75 @ 2</del>	C	1															
DC No			<del>FL 76 @ 2</del>	C	1															

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<b>Relinquished By:</b>  <b>Date:</b> 5/16/23 <b>Time:</b> 0820	<b>Received By:</b>  <b>Date:</b> <b>Time:</b>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b>  Please email results to pm@etechenv.com.
<b>Relinquished By:</b>  <b>Date:</b> <b>Time:</b>	<b>Received By:</b>  <b>Date:</b> <b>Time:</b>	

<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: -14.0 @ C.O. 113	<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) 
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<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Jeff Broom																													
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 4801 Busby Blvd																															
<b>Project #:</b> 17780		<b>Project Owner:</b>		<b>City:</b> Hobbs																															
<b>Project Name:</b> Malaga 30 Mg Fedcom 1H				<b>State:</b> NM <b>Zip:</b> 88240																															
<b>Project Location:</b> Rural Eddy				<b>Phone #:</b>																															
<b>Sampler Name:</b> Dominic Casarez				<b>Fax #:</b>																															
<b>FOR LAB USE ONLY</b>																																			
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>																							
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE		ICE / COOL		OTHER:		DATE		TIME											
H33433				C		1																5/15/23													
59		FL 57 @ 2		C		1																													
60		FL 58 @ 2		C		1																													
61		FL 59 @ 2		C		1																													
62		FL 60 @ 2		C		1																													
63		FL 61 @ 2		C		1																													
64		FL 62 @ 2		C		1																													
65		FL 63 @ 2		C		1																													
66		FL 64 @ 2		C		1																													
67		FL 65 @ 2		C		1																													
68		FL 66 @ 2		C		1																													
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<b>Relinquished By:</b>				<b>Date:</b> 5/16/23		<b>Received By:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>																							
<b>Relinquished By:</b>				<b>Date:</b>		<b>Received By:</b>		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>																							
<b>Relinquished By:</b>				<b>Date:</b>		<b>Received By:</b>		<b>REMARKS:</b>																											
<b>Delivered By: (Circle One)</b>				<b>Date:</b>		<b>Received By:</b>		<b>Sample Condition</b>																											
<b>Sampler - UPS - Bus - Other:</b>				<b>Date:</b>		<b>Received By:</b>		<b>Checked By:</b>																											
<b>Delivered By: (Circle One)</b>				<b>Date:</b>		<b>Received By:</b>		<b>Sample Condition</b>																											
<b>Sampler - UPS - Bus - Other:</b>				<b>Date:</b>		<b>Received By:</b>		<b>Checked By:</b>																											

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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**101 East Marland, Hobbs, NM 88240**

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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<b>Project Manager:</b> <u>Lane Crenshaw</u>				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
<b>Address:</b> P.O. Box 301				<b>Company:</b> <u>Mewbourn</u>																							
<b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260				<b>Attn:</b> <u>Jeff Broom</u>																							
<b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429				<b>Address:</b> <u>4801 Bus p Blw</u>																							
<b>Project #:</b> <u>17780</u> <b>Project Owner:</b> <u>Mewbourn</u>				<b>City:</b> <u>Hobbs</u>																							
<b>Project Name:</b> <u>Malaga 30 MP fed com 1H</u>				<b>State:</b> <u>NM</u> <b>Zip:</b> <u>88240</u>																							
<b>Project Location:</b> <u>Rural Eddy</u>				<b>Phone #:</b>																							
<b>Sampler Name:</b> <u>Dominic Casarez</u>				<b>Fax #:</b>																							
<small>FOR LAB USE ONLY</small>																											
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>				<b>PRESERV.</b>		<b>SAMPLING</b>													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:															
<u>4232433</u>														<u>5/15/23</u>													
<u>89</u>		<u>FL 1 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>90</u>		<u>FL 2 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>91</u>		<u>FL 3 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>92</u>		<u>FL 4 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>93</u>		<u>FL 5 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>94</u>		<u>FL 6 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>95</u>		<u>FL 7 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>96</u>		<u>FL 8 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>97</u>		<u>FL 9 @ 4</u>		<u>C</u>		<u>1</u>																					
<u>98</u>		<u>FL 10 @ 4</u>		<u>C</u>		<u>1</u>																					
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<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b> <u>5/16/23</u>				<b>Received By:</b> <u>[Signature]</u>				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>											
<b>Relinquished By:</b>				<b>Date:</b>				<b>Received By:</b>				<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>											
<b>Delivered By: (Circle One)</b>				<b>Date:</b>				<b>Sample Condition</b>				<b>CHECKED BY:</b>				<b>REMARKS:</b>											
<b>Sampler - UPS - Bus - Other:</b>				<b>Time:</b>				<b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/>				<b>(Initials)</b>															

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





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

May 22, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MALAGA 30 MP FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/15/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 12 (H232452-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2023	ND	2.11	106	2.00	2.98	
Toluene*	<0.050	0.050	05/18/2023	ND	2.17	109	2.00	4.82	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.23	112	2.00	4.93	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.56	109	6.00	5.45	
Total BTX	<0.300	0.300	05/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	05/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	158	78.9	200	2.80	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	158	78.9	200	0.380	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

---

**Notes and Definitions**

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

---

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

**101 East Marland, Hobbs, NM 88240**

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																				
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																				
Address: 2617 West Marland				Company: Mewbourne																								
City: Hobbs State: NM Zip: 88240				Attn: Jeff Bloom																								
Phone #: (575) 264-9884 Fax #:				Address: 4801 Business Park Blvd																								
Project #: 17780 Project Owner: Mewbourne				City: Hobbs																								
Project Name: Malaga 30 MP Fed Corn 1H				State: NM Zip: 88240																								
Project Location: Rural Eddy County, NM				Phone #:																								
Sampler Name: Dominic Casarez				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	
	H232452	WW 12	C	1		X				X		5/15/23		X	X	X												



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

---

May 23, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MALAGA 30 MP FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 8:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

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:	05/18/2023	Sampling Date:	05/17/2023
Reported:	05/23/2023	Sampling Type:	Soil
Project Name:	MALAGA 30 MP FED COM 1H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	17780	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

**Sample ID: FL 26 @ 4 (H232509-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 27 @ 4 (H232509-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 28 @ 4 (H232509-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 29 @ 4 (H232509-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 30 @ 4 (H232509-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEx	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 31 @ 4 (H232509-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 32 @ 4 (H232509-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/20/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 33 @ 4 (H232509-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 34 @ 4 (H232509-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 35 @ 4 (H232509-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	QM-07
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEx	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 36 @ 4 (H232509-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 37 @ 4 (H232509-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEx	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 38 @ 4 (H232509-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 39 @ 4 (H232509-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 40 @ 4 (H232509-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202		
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486		
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359		
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113		
Total BTEX	<0.300	0.300	05/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1080	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 42 @ 3 (H232509-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 43 @ 3 (H232509-17)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/19/2023	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	05/19/2023	ND	161	80.3	200	0.0810	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	172	85.9	200	0.177	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 44 @ 4 (H232509-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 45 @ 3 (H232509-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.43	121	2.00	0.202	
Toluene*	<0.050	0.050	05/21/2023	ND	2.39	120	2.00	0.486	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.31	116	2.00	0.00359	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.97	116	6.00	0.113	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 46 @ 4 (H232509-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 47 @ 3 (H232509-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 48 @ 3 (H232509-22)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 49 @ 3 (H232509-23)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.3 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 50 @ 2 (H232509-24)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	05/19/2023	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	05/21/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/21/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/21/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 52 @ 2 (H232509-25)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 48.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.6 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 51 @ 3 (H232509-26)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 75 @ 4 (H232509-27)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 76 @ 4 (H232509-28)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 77 @ 4 (H232509-29)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/19/2023	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	05/19/2023	ND	198	99.0	200	1.82	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	204	102	200	0.362	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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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: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 78 @ 4 (H232509-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2023	ND	2.20	110	2.00	1.52	
Toluene*	<0.050	0.050	05/21/2023	ND	2.17	109	2.00	2.31	
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.08	104	2.00	4.23	
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.31	105	6.00	5.32	
Total BTEX	<0.300	0.300	05/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	05/19/2023	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	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 79 @ 4 (H232509-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	05/19/2023	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	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/18/2023  
 Reported: 05/23/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 80 @ 4 (H232509-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2023	ND	2.06	103	2.00	5.34		
Toluene*	<0.050	0.050	05/21/2023	ND	2.10	105	2.00	6.29		
Ethylbenzene*	<0.050	0.050	05/21/2023	ND	2.03	101	2.00	6.49		
Total Xylenes*	<0.150	0.150	05/21/2023	ND	6.30	105	6.00	6.11		
Total BTEX	<0.300	0.300	05/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1640	16.0	05/19/2023	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	05/19/2023	ND	183	91.4	200	1.86	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	180	89.8	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## • CARDINAL LABORATORIES

**101 East Marland, Hobbs, NM 88240**

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Lancaster Shaw</u>				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);">BTX (8021B)</div> </div>											
Address: P.O. Box 301				Company: <u>Mewbourn</u>															
City: Lovington		State: NM		Zip: 88260		Attn: <u>Jeff Broom</u>													
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address: <u>4801 Bus p Blvd</u>		City: <u>Hobbs</u>													
Project #: <u>17780</u>		Project Owner: <u>Mewbourn</u>		State: <u>NM</u>		Zip: <u>88240</u>													
Project Name: <u>Malaga 30 mp Fed Com 14 Battery</u>				Phone #:															
Project Location: <u>Rural eddy</u>				Fax #:															
Sampler Name: <u>Dominic Casarez</u>																			

FOR LAB USE ONLY		GRAB OR (COMP. #)	CONTAINERS	MATRIX					PRESERV.	SAMPLING		DATE	TIME	CL	TPH	BTX	C	H	M	S	O	N	P	K			
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER		ACID/BASE	ICE / COOL														OTHER		
<u>H232509</u>																											
<u>DC 11</u>	<u>FL 37 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>				<u>✓</u>		<u>5/17/23</u>		<u>✓</u>	<u>✓</u>	<u>✓</u>											
<u>12</u>	<u>FL 38 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>13</u>	<u>FL 39 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>14</u>	<u>FL 40 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>15</u>	<u>FL 42 Q3</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>16</u>	<u>FL 43 Q3</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>17</u>	<u>FL 44 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>18</u>	<u>FL 45 Q3</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>19</u>	<u>FL 46 Q4</u>	<u>C</u>	<u>1</u>			<u>✓</u>																					
<u>20</u>		<u>C</u>	<u>1</u>			<u>✓</u>																					

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Relinquished By: <u>[Signature]</u>	Date: <u>5/18/23</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>0850</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
	Date:	Received By:	REMARKS:	
Time:				

Delivered By: (Circle One) #13

Sampler - UPS - Bus - Other: -11.02/-11.62

Sample Condition: Cool ☒ Intact ☒ Yes ☒ No ☐ Yes ☐ No ☐

CHECKED BY: [Signature]

Please email results to pm@etechenv.com.

Dominic Casarez 10@gmail.com

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 17780 <b>Project Owner:</b> Mewbourn <b>Project Name:</b> Malaga 30mp fed com 1 lt <b>Project Location:</b> Rural cddy <b>Sampler Name:</b> Dominik Casarez				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																				
				<b>P.O. #:</b> <b>Company:</b> Mewbourn <b>Attn:</b> Jeff Broom <b>Address:</b> 4801 Beech Blvd <b>City:</b> Hobbs <b>State:</b> NM Zip: 88240 <b>Phone #:</b> <b>Fax #:</b>				<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>																				
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
	H232509													5/17/23														
	DC 21	FL 4703	C	1																								
	22	FL 4803	C	1																								
	23	FL 4903	C	1																								
	24	FL 50 @ 2	C	1																								
	25	FL 52 @ 2	C	1																								
	26	FL 51 @ 3	C	1																								
	27	FL 75 @ 4	C	1																								
	28	FL 76 @ 4	C	1																								
	29	FL 77 @ 4	C	1																								
	30	FL 78 @ 4	C	1																								

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<b>Relinquished By:</b>  <b>Date:</b> 5/18/23 <b>Time:</b> 0850	<b>Received By:</b>  <b>Date:</b> <b>Time:</b>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b>	<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>
--	---	---	--

**Delivered By: (Circle One)** #1/3

**Sampler - UPS - Bus - Other:** -11.0c / -11.6c

**Sample Condition**  
 Cool ☒ Intact ☒  
☐ Yes ☐ Yes  
☐ No ☐ No

**CHECKED BY:** (Initials) D.C.

Please email results to pm@etechenv.com.

*Dominik Casarez 210@gmail.com*

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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---

May 25, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MALAGA 30 MP FED COM 1H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW 9B (H232587-01)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4		
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72		
Total BTX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	05/23/2023	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 7B (H232587-02)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.17	109	2.00	10.4	
Toluene*	<0.050	0.050	05/23/2023	ND	2.22	111	2.00	8.69	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.13	107	2.00	9.34	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.64	111	6.00	8.72	
Total BTX	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	05/23/2023	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	05/23/2023	ND	174	87.2	200	1.15	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	174	86.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 9B (H232587-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.16	108	2.00	4.28	
Toluene*	<0.050	0.050	05/23/2023	ND	2.11	106	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.57	110	6.00	4.80	
Total BTEx	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	05/23/2023	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	05/23/2023	ND	173	86.4	200	3.54	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	80.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: WW 12B (H232587-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2023	ND	2.16	108	2.00	4.28	
Toluene*	<0.050	0.050	05/23/2023	ND	2.11	106	2.00	2.15	
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.57	110	6.00	4.80	
Total BTEx	<0.300	0.300	05/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	05/23/2023	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	05/23/2023	ND	173	86.4	200	3.54	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	80.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 18 @ 3 (H232587-05)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2023	ND	2.16	108	2.00	4.28		
Toluene*	<0.050	0.050	05/23/2023	ND	2.11	106	2.00	2.15		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.21	110	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.57	110	6.00	4.80		
Total BTX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	05/23/2023	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	05/23/2023	ND	173	86.4	200	3.54	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	80.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/22/2023  
 Reported: 05/25/2023  
 Project Name: MALAGA 30 MP FED COM 1H BATTERY  
 Project Number: 17780  
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/22/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 82 @ 3 (H232587-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2023	ND	2.16	108	2.00	4.28		
Toluene*	<0.050	0.050	05/23/2023	ND	2.11	106	2.00	2.15		
Ethylbenzene*	<0.050	0.050	05/23/2023	ND	2.21	110	2.00	3.58		
Total Xylenes*	<0.150	0.150	05/23/2023	ND	6.57	110	6.00	4.80		
Total BTEX	<0.300	0.300	05/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	05/23/2023	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	05/23/2023	ND	173	86.4	200	3.54	
DRO >C10-C28*	<10.0	10.0	05/23/2023	ND	162	80.9	200	4.76	
EXT DRO >C28-C36	<10.0	10.0	05/23/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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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Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

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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**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
<b>Project Manager:</b> Lane Crenshaw				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>											
<b>Address:</b> P.O. Box 301				<b>Company:</b> Mewbourn															
<b>City:</b> Lovington		<b>State:</b> NM		<b>Zip:</b> 88260		<b>Attn:</b> Jeff Broom													
<b>Phone #:</b> (575) 396-2378		<b>Fax #:</b> (575) 396-1429		<b>Address:</b> 4801 Buspride		<b>City:</b> Hobbs													
<b>Project #:</b> 17780		<b>Project Owner:</b> Mewbourn		<b>State:</b> NM		<b>Zip:</b> 88240													
<b>Project Name:</b> Malaga 30 mpted Com 1H				<b>Phone #:</b>															
<b>Project Location:</b> Rural eddy				<b>Fax #:</b>															
<b>Sampler Name:</b> Dominic Casarez																			
<div style="display: flex;"> <div style="flex: 1;"> <p>FOR LAB USE ONLY</p> <p><b>Lab I.D.</b></p> <p>#1232587</p> </div> <div style="flex: 2;"> <p><b>Sample I.D.</b></p> <p>DCI N19ab</p> <p>2 SW7b</p> <p>3 WW9b</p> <p>4 WW12b</p> <p>5 FL18@3</p> <p>6 FL82@3</p> </div> <div style="flex: 1;"> <p>(GRAB OR (C)OMP.</p> <p># CONTAINERS</p> <p>GROUNDWATER</p> <p>WASTEWATER</p> <p>SOIL</p> <p>OIL</p> <p>SLUDGE</p> <p>OTHER:</p> <p>ACID/BASE:</p> <p>ICE / COOL</p> <p>OTHER:</p> </div> <div style="flex: 1;"> <p><b>PRESERV.</b></p> <p>DATE</p> <p>5-22</p> </div> <div style="flex: 1;"> <p><b>SAMPLING</b></p> <p>TIME</p> </div> </div>																			
<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>																			
<p><b>Relinquished By:</b></p> <p><i>[Signature]</i></p>				<p><b>Date:</b> 5-22</p> <p><b>Time:</b> 3:45</p>				<p><b>Received By:</b></p> <p><i>[Signature]</i></p>				<p><b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>REMARKS:</b></p>							
<p><b>Relinquished By:</b></p>				<p><b>Date:</b></p> <p><b>Time:</b></p>				<p><b>Received By:</b></p>				<p><b>Add'l Phone #:</b></p> <p><b>Add'l Fax #:</b></p>							
<p><b>Delivered By: (Circle One)</b> 5.30 X-O-U</p>				<p><b>Sample Condition</b></p> <p>Cool Intact</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>				<p><b>CHECKED BY:</b></p> <p><i>[Signature]</i></p>				<p>Please email results to pm@etechenv.com.</p>							
<p><b>Sampler - UPS - Bus - Other:</b> 4.7 #113</p>																			

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

## **Appendix E**

### **Regulatory Correspondence**

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Lance Crenshaw](#)  
**Cc:** [Connor Walker](#); [Ben Arguijo](#); [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)  
**Subject:** (Extension Approval) NAPP2305942242 MALAGA 30 MP FED COM #1H BATTERY  
**Date:** Wednesday, May 31, 2023 8:12:51 AM

---

RE: Incident #**NAPP2305942242 MALAGA 30 MP FED COM #1H BATTERY**

**Lance,**

Your request for an extension to **July 31st, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Lance Crenshaw <lance@etechenv.com>  
**Sent:** Tuesday, May 30, 2023 1:52 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Connor Walker <cwalker@mewbourne.com>; Ben Arguijo <bena@etechenv.com>  
**Subject:** [EXTERNAL] Extension request

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

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Malaga 30 MP Battery Fire (NMOCD Incident #nAPP2305942242) and the CWMS Fleetwood Riser (nAPP2308026482). Both are located in Eddy County and are within a half-mile of each other. Pursuant to NMOCD regulations, a work plan or closure report is due for the Malaga release on **June 13, 2023 and on the Fleetwood release on June 3, 2023**. The release/impacted area has been excavated to 2' and 4', respectively, at both locations, but we have been severely delayed with pipeline companies having to be on site for excavation or backfill over their lines.



In consideration of this, Etech, on behalf of Mewbourne, requests a **60 day extension** until **Monday, July 31, 2023**, to allow us to fully excavate the site, gather excavation confirmation samples, backfill the site and prepare a site closure request.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email.

Thank you for your time and consideration.

**Lance Crenshaw**  
**Etech Environmental & Safety Solutions**  
**575-631-2532**

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Lance Crenshaw](#)  
**Cc:** [Connor Walker](#); [Ben Arguijo](#); [Joel Lowry](#); [Bratcher, Michael, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)  
**Subject:** (Extension Approval) NMOCD Incident #nAPP2305942242  
**Date:** Wednesday, May 10, 2023 11:42:51 AM

---

RE: Incident #NAPP2305942242

**Lance,**

Your request for an extension to **June 13th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Lance Crenshaw <lance@etechenv.com>  
**Sent:** Wednesday, May 10, 2023 10:14 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>  
**Cc:** Connor Walker <cwalker@mewbourne.com>; Ben Arguijo <bena@etechenv.com>; Joel Lowry <joel@etechenv.com>  
**Subject:** [EXTERNAL] NMOCD Incident #nAPP2305942242 extension request

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

Dear NMOCD Environmental Bureau,

Mewbourne Oil Company (Mewbourne) has contracted Etech Environmental & Safety Solutions, Inc. (Etech), to conduct remediation activities for the release known as the Malaga 30 MP Battery Fire (NMOCD Incident #nAPP2305942242) located in Eddy County. Pursuant to NMOCD regulations, a work plan or closure report is due for the release **Saturday, May 13, 2023**. The release/impacted area has been excavated to 2' and 4', respectively, and we were just awaiting guidance on the state for closure criteria, which was attained today via phone call between Connor Walker and Robert Hamlet. Per the conversation between Mr. Walker and Mr. Hamlet, the closure criteria for chlorides for the release will be the average of the two background samples at each depth (2,435 mg/kg @ 1'

bgs; 3,260 mg/kg @ 2' bgs; 2,560 mg/kg @ 3' bgs and 2,420 mg/kg @ 4' bgs) . Also, coordinating with pipeline companies to be able to excavate over their assets has delayed the project.

In consideration of this, Etech, on behalf of Mewbourne, requests a **30 day extension** until **Tuesday, June 13, 2023**, to allow us to fully excavate the site, gather excavation confirmation samples, backfill the site and prepare a site closure request.

If you have any questions or need any additional information, please do not hesitate to contact me by phone or email.

Thank you for your time and consideration.

**Lance Crenshaw**  
**Etech Environmental & Safety Solutions**  
**575-631-2532**

**From:** [Connor Walker](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Subject:** [EXTERNAL] FW: [EXT] Sampling Notification  
**Date:** Wednesday, January 10, 2024 4:02:37 PM  
**Attachments:** [image001.png](#)

---

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

Shelly,

I was able to find the sampling notification for the release you mentioned, the Malaga 30 MP. There area also a few more on here as well.

Thank you,

**Connor Walker**

Sr. Engineer

**Phone:** 806-202-5281

**Email:** [cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)



---

**From:** Lance Crenshaw <lance@etechenv.com>  
**Sent:** Monday, May 8, 2023 10:04 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>  
**Cc:** Ben Arguijo <bena@etechenv.com>; Connor Walker <cwalker@mewbourne.com>; Joel Lowry <joel@etechenv.com>  
**Subject:** [EXT] Sampling Notification

This email serves as notice that Etech intends to collect excavation confirmation soil samples on May 12-15 from the following locations/reportable release sites:

Mewbourne Oil Co –Antelope 9 B2NC State Com #001H- nAPP2311029101

Mewbourne Oil Co- CWMS Fleetwood Riser- napp2308026482

Mewbourne Oil Co- Malaga 30 MP Battery Fire – napp2305942242

Mewbourne Oil Co – Greyhound Booster – napp2311157492

If you have any questions or need any additional information, please contact Lance Crenshaw by phone (575-631-2532) or email [lance@etechenv.com](mailto:lance@etechenv.com).

**Lance Crenshaw**

**Etech Environmental & Safety Solutions**

**575-631-2532**

**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 246317

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 246317
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/11/2024