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**WEST MOUNT SPILL L  
CLOSURE REQUEST**

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**API NO. 30-005-64381  
Unit Letter G, Section 30, Township 15S, Range 29E  
CHAVES COUNTY, NEW MEXICO**

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**DATE OF RELEASE: 09/21/2023  
INCIDENT NO. nAPP2329853274**

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**04/25/2025  
Prepared by:**



**2724 NW COUNTY ROAD  
HOBBS, NM 88240**

March 18, 2026

New Mexico Energy, Mineral & Natural Resources  
NMOCD District I  
C/O Mike Bratcher and Robert Hamlet  
811 S. First Street  
Artesia, NM 88210

Mack Energy Corporation  
11344 Lovington Hwy  
Artesia, NM 88210

**Subject: Closure Request – West Mount Spill L**

**Operator: Mack Energy Corporation**  
**API No. 30-005-64381**  
**Incident No. nAPP2329853274**  
**Unit Letter G, Section 30, Township 15S, Range 29E**  
**Chaves County, New Mexico**

**To Whom It May Concern,**

Mack Energy Corporation retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the West Mount Spill L (hereafter referred to as “Spill L”), associated with a produced water release that occurred on September 20, 2023.

On September 22, 2023, at 4:12 p.m., ESS provided immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD), District I Office via email (notification attached). On behalf of Mack Energy Corporation, ESS subsequently submitted the initial C-141 Release Notification Form, along with the spill calculation used to estimate the release volume, on October 25, 2023 (attached). The NMOCD acknowledged and accepted the C-141 submission on October 25, 2023, at 2:58 p.m. The assigned incident number for this release is **nAPP2329853274**.

This report provides a detailed summary of the spill assessment, delineation, and remedial activities performed at the site. Based on these efforts, the applicable closure criteria outlined under **19.15.29.12 NMAC** have been satisfied, and all relevant regulatory requirements have been met.

Accordingly, this document is submitted as the final report in support of Mack Energy Corporation’s request for closure approval from the NMOCD for the above-referenced release.

### **Incident Description**

On September 20, 2023, the water transfer company Well Spring identified a failure in a lay-flat line, resulting in the release of produced water into a pasture area associated with Spill L.

Upon discovery of the release, Energy Staffing Services LLC (ESS) was notified and mobilized to the site to conduct a comprehensive environmental assessment. Based on field measurements of the impacted area, it was determined that approximately 5.63 barrels of produced water were released. No recoverable fluid was present at the time of assessment.

Initial site documentation included photographic records and measurement of the impacted area. Please refer to the attached photographs for site conditions at the time of discovery.

### **Site Characterization**

The Spill L release is located on state land at approximately 32.980975 latitude and -104.076513 longitude, approximately 21.2 miles southeast of Hagerman, New Mexico, within Chaves County, New Mexico. The legal description of the site is Unit Letter G, Section 30, Township 15 South, Range 29 East. A site schematic is included as an attachment.

The release originated from production lines in proximity to existing production facilities and well pads, with impacts observed within a pasture area. The site elevation is approximately 3,688 feet above mean sea level. Vegetation in the area is characteristic of native rangeland and is primarily dominated by black grama, bush muhly, dropseed, creosotebush, and other perennial forbs and grasses. Supporting rangeland and vegetation classification information is included in the attachments.

According to the United States Department of Agriculture Natural Resources Conservation Service (NRCS), soils within the Spill L area consist of 100% Tencee–Sotim association (see attached soil map). Review of the FEMA National Flood Hazard Layer indicates the site is located within an area characterized by a 0.2% annual chance flood hazard, with localized areas subject to a 1% annual chance flood event typically associated with shallow flooding (approximately one foot in depth) or drainage areas of less than one square mile (see attached map).

Based on available mapping from the United States Department of the Interior, Bureau of Land Management (BLM), the potential for karst geology in the vicinity of the Spill L release is classified as low (see attached karst map).

No surface water features are present within or immediately adjacent to the release area. The site is not located within one-half (½) mile of any continuously flowing watercourse or lakebed. Additionally, no sensitive environmental receptors or community features were identified in the vicinity of the release (see attached watercourse map).

A review of groundwater resources using data from the New Mexico Office of the State Engineer (NMOSE) identified the nearest registered water well as RA 12428, drilled in 2016, with a total

depth of 170 feet and a reported groundwater depth of 125 feet, located approximately 6,341 yards from the site. Additional wells identified within the broader area include:

- RA 12429 POD 1 (2016): 62 feet total depth, 27 feet to groundwater, located 7,287 yards from the site
- RA 09248 (1996): 150 feet total depth, 45 feet to groundwater, located 8,282 yards from the site
- RA 10280 (2002): 70 feet total depth, 40 feet to groundwater, located 8,390 yards from the site
- RA 09059 (1995): 110 feet total depth, 35 feet to groundwater, located 8,836 yards from the site
- L14514 POD 1 (2018): 208 feet total depth, 77 feet to groundwater, located 9,205 yards from the site
- RA 09342 (1998): 220 feet total depth, 110 feet to groundwater, located 9,597 yards from the site

An extended groundwater review was conducted utilizing the OSE POD Location Mapping System, confirming that no registered water wells are located within a ½-mile radius of the Spill L release. Supporting NMOSE, OSE POD, and groundwater mapping documentation are included as attachments.

### Closure Criteria Determination

The applicable closure criteria for soils impacted by the release are presented in the table below. Based on available data, no groundwater wells were identified within a ½-mile radius of the release area. Additionally, the site is located on State Land and is classified as having low karst potential.

Due to the absence of recent or site-specific groundwater depth data, the site was conservatively evaluated under the “less than 50 feet to groundwater” category for closure criteria purposes. This classification was applied as a protective measure in accordance with regulatory guidance, despite the lack of confirmed shallow groundwater conditions.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO+ MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

## Soil Remediation Action Levels

Energy Staffing Services, LLC (ESS), has collected and evaluated sufficient data to confirm that the Spill L release resulted in impacts to soils at the site. All response actions, site assessment activities, and sampling procedures were conducted in accordance with the New Mexico Oil Conservation Division (NMOCD) Closure Criteria for Soils Impacted by a Release (August 14, 2018).

This guidance document established the framework for Mack Energy Corporation's initial response, site characterization, and remediation approach implemented by ESS personnel. The following sections present the results of the delineation process conducted to define the nature and extent of impacts associated with the release described herein.

## Soil Sampling Procedures

Soil sampling at the Spill L release site was conducted in accordance with NMOCD-approved industry standards. All procedures followed the closure protocol for soils impacted by releases and adhered to accepted practices for environmental sampling. Key sampling procedures included:

- Collection of samples in airtight glass jars provided by the laboratory for analysis.
- Proper labeling of each sample jar with site and sample identification information.
- Storage of samples in a cool environment and packed on ice to maintain integrity.
- Prompt shipment of samples to the laboratory under strict chain-of-custody procedures. Samples were submitted to Envirotech Analytical Laboratory for analysis. The following methods were applied to both bottom-hole (vertical) and sidewall (horizontal) soil samples:
  - Volatile Organics – EPA Method 8021B
    - Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene, and Total Xylenes
  - Nonhalogenated Organics – Gasoline Range Organics (C6–C10) – EPA Method 8015D (GRO)
  - Nonhalogenated Organics – Diesel Range Organics (C10–C28) and Oil Range Organics (C28–C40) – EPA Method 8015D (DRO/ORO)
  - Anions – EPA Methods 300.0 / 9056A
    - Chloride

These procedures ensure that all soil data collected are representative of site conditions and suitable for evaluating compliance with NMOCD soil closure criteria.

## Release Investigation Data

On December 2, 2023, ESS personnel arrived on site at the Spill L release to conduct delineation sampling. Sampling procedures included:

- Establishment of delineation sample points, with each point accurately GPS-located.

- Collection of surface samples at each delineation point, which were field-tested, logged, and submitted to Envirotech Analytical Laboratory for confirmation.

A total of 5 vertical (bottom-hole) sample points and 8 horizontal (sidewall) sample points were established. Soil samples were collected using a backhoe in 1-foot and 2-foot intervals to assess vertical extent of impacts. All bottom-hole samples were submitted to the laboratory for confirmatory analysis.

The results of the delineation sampling, with laboratory-confirmed data highlighted, are provided in the table below. Supporting documentation, including the delineation sample map, sample data sheets, and laboratory analysis reports, are attached to this report.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	240	L	ND	ND	ND	ND	ND	ND
	2	720							
	4	320							
	6	240	L	ND	ND	ND	ND	ND	54.7
SP2	SURF	160	L	ND	ND	ND	ND	ND	ND
	2	400							
	4	240	L	ND	ND	ND	ND	ND	54.8
SP3	SURF	160	L	ND	ND	ND	ND	ND	ND
	2	320							
	4	320	L	ND	ND	ND	ND	ND	53.7
SP4	SURF	160	L	ND	ND	ND	ND	ND	ND
	2	400							
	4	320	L	ND	ND	ND	ND	ND	53.3
SP5	SURF	160	L	ND	ND	ND	ND	ND	ND
	2	320							
	4	320	L	ND	ND	ND	ND	ND	53.7
SW1	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	320							
	2	240	L	ND	ND	ND	ND	ND	54.7
SW2	SURF	240	L	ND	ND	ND	ND	ND	ND
	1	320							
	2	240	L	ND	ND	ND	ND	ND	55.8

SW3	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	320							
	2	320	L	ND	ND	ND	ND	ND	55.5
SW4	SURF	160	L	ND	ND	ND	ND	ND	27.9
	1	400							
	2	240	L	ND	ND	ND	ND	ND	54.4
SW5	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	320							
	2	320	L	ND	ND	ND	ND	ND	54.2
SW6	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	400							
	2	320	L	ND	ND	ND	ND	ND	54.3
SW7	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	400							
	2	320	L	ND	ND	ND	ND	ND	56.4
SW8	SURF	160	L	ND	ND	ND	ND	ND	ND
	1	240							
	2	240	L	ND	ND	ND	ND	ND	54.5

Please see the delineation photos attached to this report.

### Composite Sampling – Spill L Release

On November 22, 2025, ESS submitted the official notification to the NMOCD for the composite phase of the Spill L release. The notification was received and accepted by the NMOCD on the same day at 12:53 P.M., under reference application number 405961. Corresponding email confirmation is included in the attachments.

On December 2, 2023, ESS crews collected 200-square-foot composite samples from the excavation area associated with the Spill L release. A total of 13 bottom-hole composite samples were obtained, field-tested, and submitted to Envirotech Analytical Laboratory for confirmation.

The composite sample results are provided in the table below and are included as attachments to this report, along with the composite sample map and laboratory analysis reports.

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	2	80	L	ND	ND	ND	ND	ND	ND
COMP2	2	80	L	ND	ND	ND	ND	ND	ND
COMP3	2	80	L	ND	ND	ND	ND	ND	ND
COMP4	SURF	80	L	ND	ND	ND	ND	ND	ND
COMP5	SURF	80	L	ND	ND	ND	ND	ND	ND
COMP6	SURF	80	L	ND	ND	ND	ND	ND	ND
COMP7	SURF	80	L	ND	ND	ND	ND	ND	ND
COMP8	SURF	80	L	ND	ND	ND	ND	ND	ND
COMP9	SURF	160	L	ND	ND	ND	ND	ND	48.1
SWCOMP1	2	80	L	ND	ND	ND	ND	ND	ND
SWCOMP2	SURF	160	L	ND	ND	ND	ND	ND	69.4
SWCOMP3	SURF	80	L	ND	ND	ND	ND	ND	ND
SWCOMP4	SURF	160	L	ND	ND	ND	ND	ND	73.6

**Remediation Activities – Spill L Release**

Photographs documenting remediation activities are attached to this report.

The impacted area of the Spill L release measured approximately 1,794 square feet. During the remediation phase:

- 72 cubic yards of contaminated soil were excavated and transported to Gandy’s Disposal.
- 24 cubic yards of topsoil were brought in from Mack’s Bogel Pit and placed on site.
- The site was contoured and graded to match natural topography and subsequently seeded to promote vegetation reestablishment.

Backfilling and seeding activities were completed on January 16, 2025. Final site photographs are included as attachments to this report.

## Closure Request

On behalf of Mack Energy Corporation, Energy Staffing Services, LLC (ESS) respectfully requests closure of incident nAPP2329853274 for the produced water release that occurred in the pasture area of the West Mount Spill L.

Mack Energy and ESS certify that all information provided in this report is true and accurate. Both Mack Energy and ESS confirm that they have complied with all applicable NMOCD closure requirements for this release.

After reviewing this report, if you have any questions or concerns regarding this closure request, please do not hesitate to contact the undersigned at (575)390-6397 or (575)393-9048. You may also email any issues to [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com).

Sincerely,



**Director of Environmental and Regulatory Services**

**Energy Staffing Services, LLC.**

**2724 NW County Road**

**Hobbs, NM 88240**

**Cell: 575-390-6397**

**Office: 575-393-9048**

**Email: [natalie@energystaffingllc.com](mailto:natalie@energystaffingllc.com)**



## Attachments

Spill Notification  
Initial C141 and Spill Calculator Form  
Impact Map  
Initial Site Photos  
Site Map  
Rangeland and Vegetation Classification  
Soil Map  
FEMA National Flood Hazard Layer Map  
Karst Geology Map  
Watercourse Water Map  
Groundwater Information  
Groundwater Map  
OSE POD Map  
Delineation Sample Data  
Delineation Sample Map and GPS Log  
Lab Analysis for Delineation  
Delineation Site Photos  
Composite Notification  
Composite Sample Data  
Composite Sample Map and GPS Log  
Lab analysis for Remediation  
Remediation and Final Photos  
Executive Reclamation Summary

**Natalie Gladden**

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**From:** OCDOOnline@state.nm.us  
**Sent:** Wednesday, October 25, 2023 2:48 PM  
**To:** Natalie Gladden  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 279349

To whom it may concern (c/o Natalie Gladden for MACK ENERGY CORP),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2329853274, with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2329853274, on all subsequent C-141 submissions and communications regarding the remediation of this release.

**NOTE:** As of December 2019, NMOCD has discontinued the use of the “RP” number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

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

1220 South St. Francis Drive  
Santa Fe, NM 87505

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>MACK ENERGY CORPORATION</b>	OGRID <b>013837</b>
Contact Name <b>MATT BUCKLES</b>	Contact Telephone <b>575-703-1958</b>
Contact email <b>mattbuckles@mec.com</b>	Incident # <i>(assigned by OCD)</i>
Contact mailing address <b>11344 Lovington Highway, Artesia NM 88210</b>	

### Location of Release Source

Latitude 32.980975 Longitude -104.076513  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name <b>WEST MOUNT SPILL L</b>	Site Type <b>PRODUCTION AREA</b>
Date Release Discovered <b>9/22/2023</b>	API# <i>(if applicable)</i> <b>30-005-64381</b>

Unit Letter	Section	Township	Range	County
<b>G</b>	<b>30</b>	<b>15S</b>	<b>29E</b>	<b>CHAVES</b>

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) <b>5.63</b>	Volume Recovered (bbls) <b>0BBLs</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<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 (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

**The water transfer company Well Spring found a failure on their lay flat line, releasing the fluid to the pasture area.**

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>DUE TO VOLUME OF RELEASE</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Email was sent to the OCD, Bratcher, Hamlet, Venegas, on 9/22 at 4:12pm</b>	

### Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury


<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
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If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY

Signature:  Date: 10/25/23

email: natalie@energystaffingll.com Telephone: 575-390-6397

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

MACK ENERGY - WEST MOUNT SPILL L

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15	10	10	0.083	8.3	0.22	Clay
Peat	0.40	10	10	0.083	8.3	0.59	Peat
Glacial Sediments	0.13	10	10	0.083	8.3	0.19	Glacial Sediments
Sandy Clay	0.12	10	10	0.083	8.3	0.18	Sandy Clay
Silt	0.16	10	10	0.083	8.3	0.24	Silt
Loess	0.25	10	10	0.083	8.3	0.37	Loess
Fine Sand	0.16	10	10	0.083	8.3	0.24	Fine Sand
Medium Sand	0.25	93.33	16.32	0.083	126.42108	5.63	Medium Sand
Coarse Sand	0.26	10	10	0.083	8.3	0.38	Coarse Sand
Gravelly Sand	0.26	10	10	0.083	8.3	0.38	Gravelly Sand
Fine Gravel	0.26	10	10	0.083	8.3	0.38	Fine Gravel
Medium Gravel	0.20	10	10	0.083	8.3	0.30	Medium Gravel
Coarse Gravel	0.18	10	10	0.083	8.3	0.27	Coarse Gravel
Sandstone	0.25	10	10	0.083	8.3	0.37	Sandstone
Siltstone	0.18	10	10	0.083	8.3	0.27	Siltstone
Shale	0.05	10	10	0.083	8.3	0.07	Shale
Limestone	0.13	10	10	0.083	8.3	0.19	Limestone
Basalt	0.19	10	10	0.083	8.3	0.28	Basalt
Volcanic Tuff	0.20	10	10	0.083	8.3	0.30	Volcanic Tuff
Standing Liquids	X	10	10	0.083	8.3	1.48	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

**NOTE:** This is an **estimate** tool designed for quick field estimates of whether a C-141 should be required (i.e. a release is estimated to be greater than or less than 5 barrel volumes)

Choose the one prevailing ground type for estimating spill volumes at a single location.


Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D  
 Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

**MACK ENERGY**

WEST MOUNT SPILL L  
IMPACT MAP

**Legend**

 Mack Energy, WestMount#1 \u201c2026frac line spill L1690 SQ. FT



WEST MOUNT SPILL L




**Mack Energy Corporation  
West Mount Spill L – INITIAL PHOTOS**







**Legend**

-  WEST MOUNT SPILL L



WEST MOUNT SPILL L

800 ft



## Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site, plant association, or habitat type* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

*Total dry-weight production* is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

*Characteristic vegetation* (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, [National range and pasture handbook](#).

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## Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Chaves County, New Mexico, Southern Part

WEST MOUNT SPILL L

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Chaves County, New Mexico, Southern Part								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition	Rangeland	Forest understory
		Favorable year	Normal year	Unfavorable year				
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct dry wt</i>	<i>Pct dry wt</i>	
TS—Tencee-Sotim association								

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Chaves County, New Mexico, Southern Part

WEST MOUNT SPILL L

Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition—Chaves County, New Mexico, Southern Part								
Map unit symbol and soil name	Ecological Site, Plant Association, or Habitat Type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition	Rangeland	Forest understory
		Favorable year	Normal year	Unfavorable year				
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct dry wt</i>	<i>Pct dry wt</i>	
Tencee	Shallow (R070BC025NM)	500	375	125	black grama	20		
					bush muhly	20		
					creosotebush	10		
					other perennial forbs	10		
					other perennial grasses	10		
					broom snakeweed	5		
					Eriogonum	5		
					low woollygrass	5		
					mariola	5		
					rabo de ardilla	5		
					sand dropseed	5		
					crown of thorns	3		
					fourwing saltbush	3		
					javelina brush	2		
Nevada jointfir	2							
Sotim	Sandy (R070BD004NM)	1,200	—	600	black grama	35		
					dropseed	15		
					other perennial forbs	10		
					blue grama	5		
					bush muhly	5		
					little bluestem	5		
					other shrubs	5		
					other perennial grasses	5		
					plains lovegrass	5		
					threeawn	5		
					yucca	5		

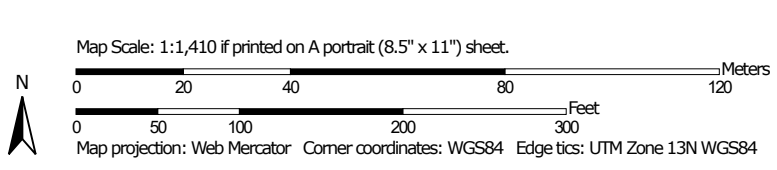
## Data Source Information

Soil Survey Area: Chaves County, New Mexico, Southern Part  
Survey Area Data: Version 18, Sep 7, 2023

Soil Map—Chaves County, New Mexico, Southern Part  
(WEST MOUNT SPILL L)




Soil Map may not be valid at this scale.



Soil Map—Chaves County, New Mexico, Southern Part  
(WEST MOUNT SPILL L)

**MAP LEGEND**

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**





 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

**MAP INFORMATION**

The soil surveys that comprise your AOI were mapped at 1:24,000.

**Warning:** Soil Map may not be valid at this scale.  
Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Chaves County, New Mexico, Southern Part  
Survey Area Data: Version 18, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

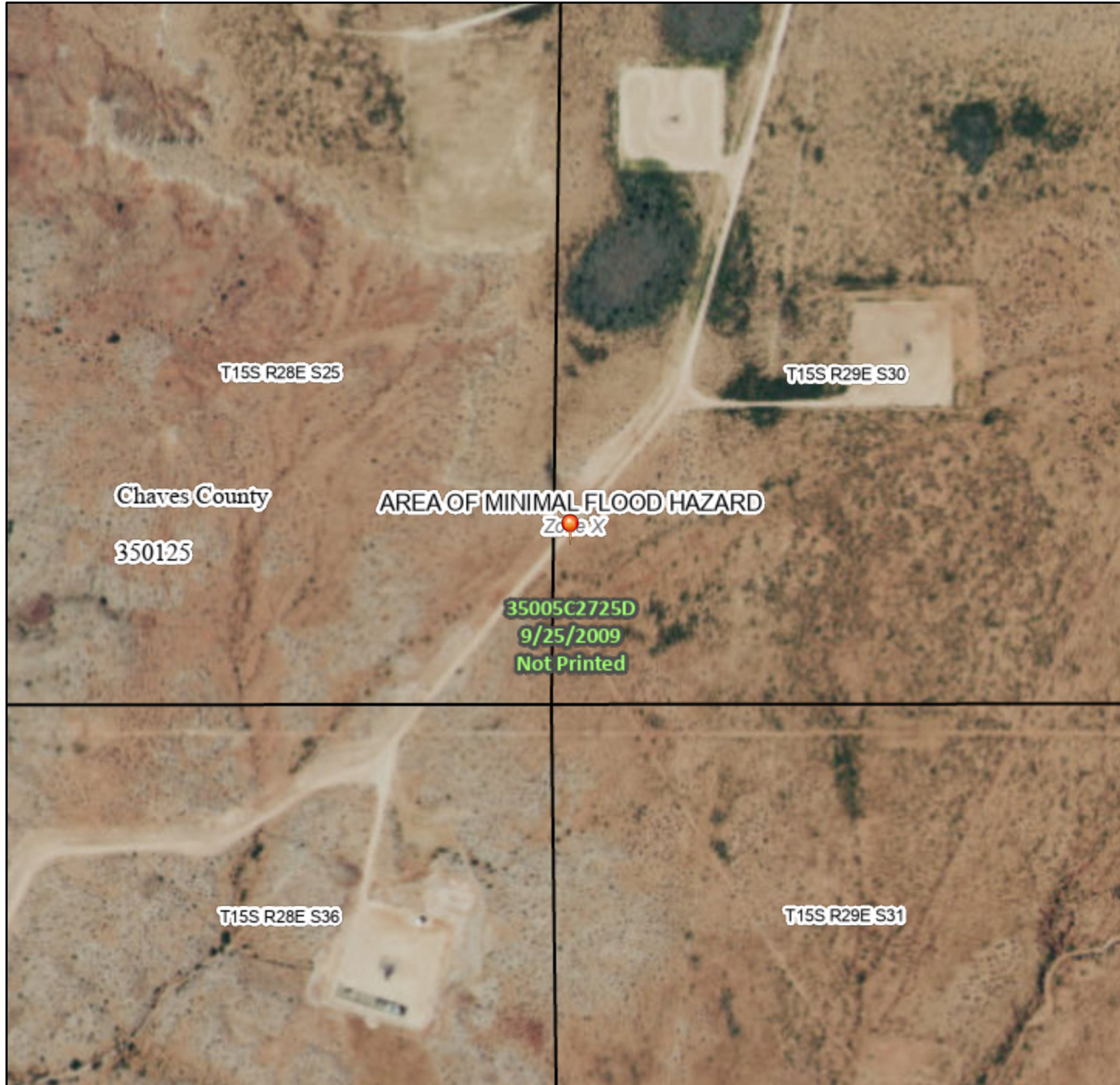
## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Pb	Pajarito-Pintura complex	0.2	1.9%
TOF	Torriorthents, very steep	3.5	40.3%
TS	Tencee-Sotim association	5.1	57.8%
<b>Totals for Area of Interest</b>		<b>8.7</b>	<b>100.0%</b>

# National Flood Hazard Layer FIRMette



104°4'54"W 32°59'7"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/5/2024 at 12:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

**Legend**

- High
- Low
- Medium
- WEST MOUNT SPILL L



**Legend**

-  WEST MOUNT SPILL L





# New Mexico Office of the State Engineer

## Wells with Well Log Information

No wells found.

**UTMAD83 Radius Search (in meters):**

**Easting (X):** 586288.35

**Northing (Y):** 3649556.4

**Radius:** 1000

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

6/5/24 11:12 AM

Page 1 of 1

WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Wells with Well Log Information

---

No wells found.

**UTMNA83 Radius Search (in meters):**

**Easting (X):** 586288.35

**Northing (Y):** 3649556.4

**Radius:** 5000

---

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

6/5/24 11:12 AM

Page 1 of 1

WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Wells with Well Log Information

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code	basin	County	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
<a href="#">RA 12428</a>	RA	CH	Shallow	4	2	1	21	15S	28E	580579	3652317		6341	07/28/2016	08/04/2016	08/08/2016	170	125	DONALD KUEHN III	1058
<a href="#">RA 12429 POD1</a>	RA	CH	Shallow	1	1	4	32	15S	28E	579093	3648401		7287	11/17/2016	11/17/2016	11/28/2016	62	27	EADES, ALAN	1044
<a href="#">RA 09248</a>	RA	CH	Shallow	1	4	3	17	15S	28E	578704	3652884*		8282	07/10/1996	07/13/1996	07/25/1996	150	45	RAYMOND ANDERSON	1344
<a href="#">RA 10280</a>	RA	CH	Shallow	4	3	3	17	15S	28E	578501	3652680*		8390	06/20/2002	07/15/2002	04/23/2003	70	40	CARREON, FERNANDO	1490
<a href="#">RA 09059</a>	RA	CH	Shallow	2	4	4	18	15S	28E	578099	3652875*		8836	11/13/1995	01/15/1996	02/08/1997	110	35	RAYMOND ANDERSON	1344
<a href="#">L 14514 POD1</a>	L	LE	Shallow	2	2	1	32	15S	36E	595494	3649622		9205	08/09/2018	08/10/2018	08/17/2018	208	77	JOHN GOERTZEN	1611
<a href="#">RA 09342</a>	RA	ED	Shallow	4	4	3	19	16S	29E	582737	3640640*		9597	05/02/1998	05/03/1998	05/08/1998	220	110	DELFOORD MARTIN	1064

Record Count: 7

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

**Easting (X):** 586288.35

**Northing (Y):** 3649556.4

**Radius:** 10000

\*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.



# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>								
	RA 09059								
		(quarters are 1=NW 2=NE 3=SW 4=SE)		(quarters are smallest to largest)		(NAD83 UTM in meters)			
		<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
		2	4	4	18	15S	28E	578099	3652875*

<b>Driller License:</b> 1344	<b>Driller Company:</b> ANDERSON, RAYMOND	
<b>Driller Name:</b> RAYMOND ANDERSON		
<b>Drill Start Date:</b> 11/13/1995	<b>Drill Finish Date:</b> 01/15/1996	<b>Plug Date:</b>
<b>Log File Date:</b> 02/08/1997	<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> 4.50	<b>Depth Well:</b> 110 feet	<b>Depth Water:</b> 35 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	60	65	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	30	90

\*UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>	(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)						(NAD83 UTM in meters)	
		<b>Q64 Q16 Q4 Sec Tws Rng</b>	<b>X</b>	<b>Y</b>					
	RA 09248	1 4 3 17 15S 28E	578704	3652884*					

<b>Driller License:</b> 1344	<b>Driller Company:</b> ANDERSON, RAYMOND	
<b>Driller Name:</b> RAYMOND ANDERSON		
<b>Drill Start Date:</b> 07/10/1996	<b>Drill Finish Date:</b> 07/13/1996	<b>Plug Date:</b>
<b>Log File Date:</b> 07/25/1996	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 2 GPM
<b>Casing Size:</b> 4.50	<b>Depth Well:</b> 150 feet	<b>Depth Water:</b> 45 feet

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	50	60	Sandstone/Gravel/Conglomerate

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	45	100

\*UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>	(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)	(NAD83 UTM in meters)						
		<b>Q64 Q16 Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>		
RA 10280		4 3 3	17	15S	28E	578501	3652680*		

<b>Driller License:</b> 1490	<b>Driller Company:</b> FERNANDO'S WATER WELL	
<b>Driller Name:</b> CARREON, FERNANDO		
<b>Drill Start Date:</b> 06/20/2002	<b>Drill Finish Date:</b> 07/15/2002	<b>Plug Date:</b>
<b>Log File Date:</b> 04/23/2003	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b> SUBMER	<b>Pipe Discharge Size:</b> 1.25	<b>Estimated Yield:</b> 10 GPM
<b>Casing Size:</b> 5.00	<b>Depth Well:</b> 70 feet	<b>Depth Water:</b> 40 feet

Water Bearing Stratifications:	Top	Bottom	Description
	1	70	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	40	70

\*UTM location was derived from PLSS - see Help

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# New Mexico Office of the State Engineer Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>	(quarters are 1=NW 2=NE 3=SW 4=SE)						
		(quarters are smallest to largest)	(NAD83 UTM in meters)					
		<b>Q64 Q16 Q4 Sec Tws Rng</b>	<b>X</b>	<b>Y</b>				
	RA 12428	4 2 1 21 15S 28E	580579	3652317				

<b>Driller License:</b> 1058	<b>Driller Company:</b> KEY'S DRILLING & PUMP SERVICE	
<b>Driller Name:</b> DONALD KUEHN III		
<b>Drill Start Date:</b> 07/28/2016	<b>Drill Finish Date:</b> 08/04/2016	<b>Plug Date:</b>
<b>Log File Date:</b> 08/08/2016	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 15 GPM
<b>Casing Size:</b> 4.50	<b>Depth Well:</b> 170 feet	<b>Depth Water:</b> 125 feet

Water Bearing Stratifications:	Top	Bottom	Description
	125	140	Sandstone/Gravel/Conglomerate
	140	160	Sandstone/Gravel/Conglomerate
	160	170	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	125	170

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# New Mexico Office of the State Engineer

## Point of Diversion Summary

<b>Well Tag</b>	<b>POD Number</b>	(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)							(NAD83 UTM in meters)
		<b>Q64 Q16 Q4 Sec Tws Rng</b>	<b>X</b>	<b>Y</b>					
	RA 12429 POD1	1 1 4 32 15S 28E	579093	3648401					

<b>Driller License:</b> 1044	<b>Driller Company:</b> EADES WELL DRILLING & PUMP SERVICE	
<b>Driller Name:</b> EADES, ALAN		
<b>Drill Start Date:</b> 11/17/2016	<b>Drill Finish Date:</b> 11/17/2016	<b>Plug Date:</b>
<b>Log File Date:</b> 11/28/2016	<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> 5.13	<b>Depth Well:</b> 62 feet	<b>Depth Water:</b> 27 feet

Water Bearing Stratifications:	Top	Bottom	Description
	27	33	Sandstone/Gravel/Conglomerate
	33	62	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	22	62

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

**Legend**

- RA09059-8,836-35 FT
- RA09248-8,282-45 FT
- RA10280-8,390-40 FT
- RA12428-6,341-125 FT
- RA12429 POD1-7,287-27 FT
- WEST MOUNT SPILL L



RA09059-8,836-35 FT

RA09248-8,282-45 FT

RA10280-8,390-40 FT

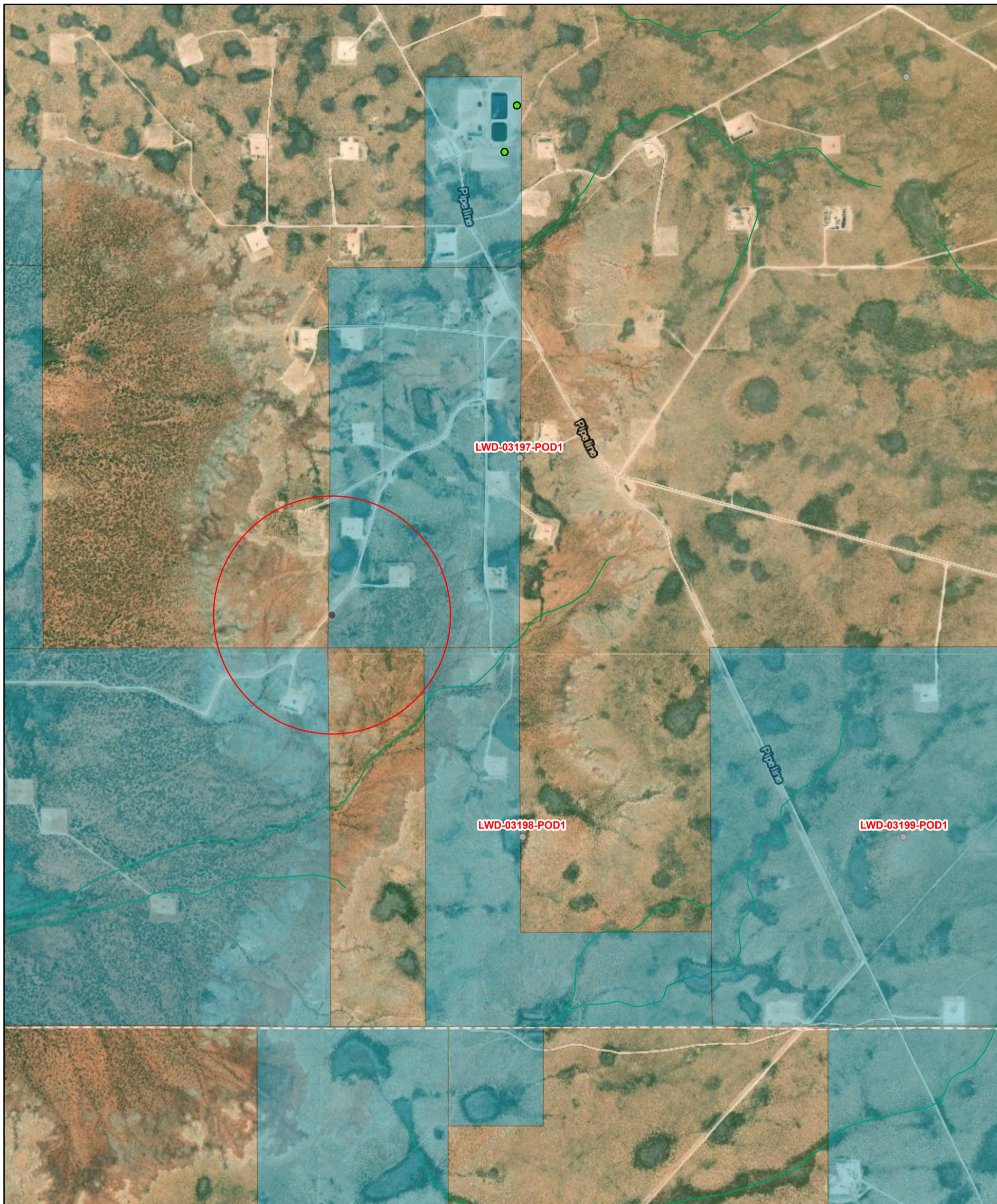
RA12428-6,341-125 FT

WEST MOUNT SPILL L

RA12429 POD1-7,287-27 FT



# OSE POD Location Map



6/21/2024, 12:52:59 PM

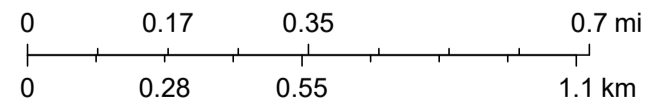
GIS WATERS PODs

NHD Flowlines

1:18,056

- Pending
- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates

- Artificial Path
- Connector
- Stream River



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

**Company Name:** MACK

**Location Name:** WEST MOUNT SPILL L

**Release Date:**

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	240	L	ND	ND	ND	ND	ND	ND		7/19/2024
	2	720									
	4	320									
	6	240	L	ND	ND	ND	ND	ND	54.7		7/19/2024
SP2	SURF	160	L	ND	ND	ND	ND	ND	ND		7/19/2024
	2	400									
	4	240	L	ND	ND	ND	ND	ND	54.8		7/19/2024
SP3	SURF	160	L	ND	ND	ND	ND	ND	ND		7/19/2024
	2	320									
	4	320	L	ND	ND	ND	ND	ND	53.7		7/19/2024
SP4	SURF	160	L	ND	ND	ND	ND	ND	ND		7/19/2024
	2	400									
	4	320	L	ND	ND	ND	ND	ND	53.3		7/19/2024
SP5	SURF	160	L	ND	ND	ND	ND	ND	ND		7/19/2024
	2	320									
	4	320	L	ND	ND	ND	ND	ND	53.7		7/19/2024
SW1	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	320									
	2	240	L	ND	ND	ND	ND	ND	54.7		
SW2	SURF	240	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	320									
	2	240	L	ND	ND	ND	ND	ND	55.8		
SW3	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	320									

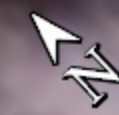
	2	320	L	ND	ND	ND	ND	ND	55.5		
SW4	SURF	160	L	ND	ND	ND	ND	ND	27.9		12/2/2023
	1	400									
	2	240	L	ND	ND	ND	ND	ND	54.4		
SW5	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	320									
	2	320	L	ND	ND	ND	ND	ND	54.2		
SW6	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	400									
	2	320	L	ND	ND	ND	ND	ND	54.3		
SW7	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	400									
	2	320	L	ND	ND	ND	ND	ND	56.4		
SW8	SURF	160	L	ND	ND	ND	ND	ND	ND		12/2/2023
	1	240									
	2	240	L	ND	ND	ND	ND	ND	54.5		

**Mack Energy**

West Mount Spill L  
Delineation Map

**Legend**

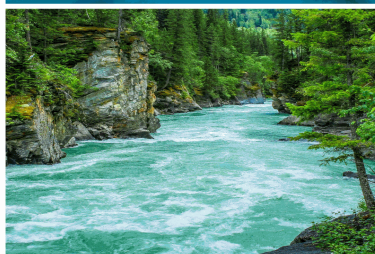
- Horizontal Sample Points
- Vertical Sample Points



**CLIENTS** MACK ENERGY  
**LOCATION** West Mount Spill L  
Delineation GPS

SAMPLE ID	LAT	LONG
SP1	32.980978°	-104.076575°
SP2	32.980944°	-104.076611°
SP3	32.980900°	-104.076656°
SP4	32.980856°	-104.076697°
SP5	32.980817°	-104.076725°
SW1	32.980984°	-104.076532°
SW2	32.980915°	-104.076610°
SW3	32.980860°	-104.076662°
SW4	32.980792°	-104.076693°
SW5	32.980836°	-104.076760°
SW6	32.980888°	-104.076702°
SW7	32.980941°	-104.076649°
SW8	32.980998°	-104.076591°

Report to:  
Natalie Gladden



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E312016

Job Number: 20046-0001

Received: 12/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/6/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/6/23



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E312016  
Date Received: 12/5/2023 7:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2023 7:30:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/06/23 17:12
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 - Surf	E312016-01A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW2 - Surf	E312016-02A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW3 - Surf	E312016-03A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW4 - Surf	E312016-04A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW5 - Surf	E312016-05A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW6 - Surf	E312016-06A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW7 - Surf	E312016-07A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SW8 - Surf	E312016-08A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW1 - Surf  
E312016-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2349031	
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	12/05/23	12/06/23	

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2349031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	12/05/23	12/06/23	

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2349042	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		96.6 %	50-200	12/05/23	12/06/23	

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2349050	
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW2 - Surf**

**E312016-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		109 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		91.5 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW3 - Surf**

**E312016-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW4 - Surf**

**E312016-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		94.9 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	27.9	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW5 - Surf**

**E312016-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW6 - Surf**  
**E312016-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.9 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		91.3 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW7 - Surf**

**E312016-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		112 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		91.1 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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**SW8 - Surf**  
**E312016-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2349031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349042
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349050
Chloride	ND	20.0	1	12/05/23	12/05/23	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349031-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.514		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7		70-130		
Surrogate: Toluene-d8	0.546		0.500		109		70-130		

**LCS (2349031-BS1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.77	0.0250	2.50		111		70-130		
Ethylbenzene	2.68	0.0250	2.50		107		70-130		
Toluene	2.72	0.0250	2.50		109		70-130		
o-Xylene	2.55	0.0250	2.50		102		70-130		
p,m-Xylene	5.12	0.0500	5.00		102		70-130		
Total Xylenes	7.68	0.0250	7.50		102		70-130		
Surrogate: Bromofluorobenzene	0.501		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102		70-130		
Surrogate: Toluene-d8	0.527		0.500		105		70-130		

**Matrix Spike (2349031-MS1)**

Source: E312014-03

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.74	0.0250	2.50	ND	109		48-131		
Ethylbenzene	2.70	0.0250	2.50	ND	108		45-135		
Toluene	2.71	0.0250	2.50	ND	108		48-130		
o-Xylene	2.60	0.0250	2.50	ND	104		43-135		
p,m-Xylene	5.18	0.0500	5.00	ND	104		43-135		
Total Xylenes	7.78	0.0250	7.50	ND	104		43-135		
Surrogate: Bromofluorobenzene	0.500		0.500		99.9		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8		70-130		
Surrogate: Toluene-d8	0.532		0.500		106		70-130		

**Matrix Spike Dup (2349031-MSD1)**

Source: E312014-03

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.77	0.0250	2.50	ND	111		48-131	1.24	23
Ethylbenzene	2.68	0.0250	2.50	ND	107		45-135	0.539	27
Toluene	2.70	0.0250	2.50	ND	108		48-130	0.407	24
o-Xylene	2.61	0.0250	2.50	ND	104		43-135	0.441	27
p,m-Xylene	5.20	0.0500	5.00	ND	104		43-135	0.375	27
Total Xylenes	7.82	0.0250	7.50	ND	104		43-135	0.397	27
Surrogate: Bromofluorobenzene	0.500		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100		70-130		
Surrogate: Toluene-d8	0.520		0.500		104		70-130		



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349031-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

**LCS (2349031-BS2)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

**Matrix Spike (2349031-MS2)**

Source: E312014-03

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			

**Matrix Spike Dup (2349031-MSD2)**

Source: E312014-03

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	1.21	20	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349042-BLK1)**

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	50-200			

**LCS (2349042-BS1)**

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	228	25.0	250		91.2	38-132			
Surrogate: <i>n</i> -Nonane	46.8		50.0		93.6	50-200			

**Matrix Spike (2349042-MS1)**

Source: E312016-04

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: <i>n</i> -Nonane	48.3		50.0		96.5	50-200			

**Matrix Spike Dup (2349042-MSD1)**

Source: E312016-04

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.695	20	
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	50-200			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 5:12:30PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349050-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride ND 20.0

**LCS (2349050-BS1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2349050-MS1)**

Source: E312016-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 275 20.0 250 ND 110 80-120

**Matrix Spike Dup (2349050-MSD1)**

Source: E312016-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 282 20.0 250 ND 113 80-120 2.35 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/06/23 17:12

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: Peak Energy  
 Project: West Mount Spill L  
 Project Manager:  
 Address:  
 City, State, Zip  
 Phone:  
 Email:

Bill To  
 Attention: ENERGY STAFFING SERVICES  
 Address: 2724 NW COUNTY RD  
 City, State, Zip HOBBS, NM 88240  
 Phone: 575-393-9048  
 Email: NATALIE@ENERGYSTAFFINGLLC.COM  
BRITTNEY@ENERGYSTAFFINGLLC.COM

Lab Use Only  
 Lab WO# E3120W Job Number 20046-0001  
 Analysis and Method  
 TAT: 1D  2D  3D  Standard  
 EPA Program: CWA  SDWA  RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks		
	12/02/23	S	1	SW 1 - SURF	1							X				
	}	}	}	SW 2 - SURF	2											
				SW 3 - SURF	3											
				SW 4 - SURF	4											
				SW 5 - SURF	5											
				SW 6 - SURF	6											
				SW 7 - SURF	7											
	12/02/23	S	1	SW 8 - SURF	8							X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Sampled by: Jan Solis

Relinquished by: (Signature) <u>Jan Solis</u>	Date <u>12/02/23</u>	Time	Received by: (Signature) <u>Micelle Geyl</u>	Date <u>12-4-23</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N
Relinquished by: (Signature) <u>Micelle Geyl</u>	Date <u>12-4-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Andrew Russo</u>	Date <u>12-4-23</u>	Time <u>1630</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>Andrew Russo</u>	Date <u>12-4-23</u>	Time <u>2245</u>	Received by: (Signature) <u>Monteno</u>	Date <u>12/5/23</u>	Time <u>7:30</u>	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/5/2023 9:33:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy	Date Received: 12/05/23 07:30	Work Order ID: E312016
Phone: (575) 390-6397	Date Logged In: 12/04/23 15:15	Logged In By: Jordan Montano
Email: Natalie@energystaffingllc.com	Due Date: 12/06/23 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Comments/Resolution**

Project manager and time sampled are not documented on COC by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E312017

Job Number: 20046-0001

Received: 12/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/6/23



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E312017  
Date Received: 12/5/2023 7:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2023 7:30:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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**Michelle Golzales**  
Client Representative  
Office: 505-421-LABS(5227)  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/06/23 16:38
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - Surf	E312017-01A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SP 2 - Surf	E312017-02A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SP 3 - Surf	E312017-03A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SP 4 - Surf	E312017-04A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.
SP 5 - Surf	E312017-05A	Soil	12/02/23	12/05/23	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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**SP 1 - Surf**  
**E312017-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130		12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>	95.3 %	70-130		12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>	98.9 %	70-130		12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	102 %	70-130		12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>	95.3 %	70-130		12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349041
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>	78.3 %	50-200		12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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**SP 2 - Surf**

**E312017-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349041
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		79.6 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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**SP 3 - Surf**

**E312017-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349041
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		77.8 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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**SP 4 - Surf**  
**E312017-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.4 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		94.4 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349041
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		78.9 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23	

### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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**SP 5 - Surf**

**E312017-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	12/05/23	12/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	12/05/23	12/05/23	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	12/05/23	12/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349041
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		79.4 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2349032-BLK1)

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.470		0.500		94.0	70-130			

#### LCS (2349032-BS1)

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.2	70-130			
Toluene	2.46	0.0250	2.50		98.2	70-130			
o-Xylene	2.52	0.0250	2.50		101	70-130			
p,m-Xylene	4.91	0.0500	5.00		98.2	70-130			
Total Xylenes	7.43	0.0250	7.50		99.1	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			

#### Matrix Spike (2349032-MS1)

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.56	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135			
Toluene	2.39	0.0250	2.50	ND	95.6	48-130			
o-Xylene	2.51	0.0250	2.50	ND	100	43-135			
p,m-Xylene	4.89	0.0500	5.00	ND	97.7	43-135			
Total Xylenes	7.40	0.0250	7.50	ND	98.6	43-135			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

#### Matrix Spike Dup (2349032-MSD1)

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.55	0.0250	2.50	ND	102	48-131	0.274	23	
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135	0.516	27	
Toluene	2.40	0.0250	2.50	ND	95.8	48-130	0.251	24	
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135	2.32	27	
p,m-Xylene	4.76	0.0500	5.00	ND	95.3	43-135	2.51	27	
Total Xylenes	7.22	0.0250	7.50	ND	96.2	43-135	2.44	27	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349032-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.470		0.500		94.0	70-130			

**LCS (2349032-BS2)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.5	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.6	70-130			

**Matrix Spike (2349032-MS2)**

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	83.0	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

**Matrix Spike Dup (2349032-MSD2)**

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.5	70-130	0.605	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349041-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	37.6		50.0		75.3	50-200			

**LCS (2349041-BS1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Diesel Range Organics (C10-C28)	224	25.0	250		89.5	38-132			
Surrogate: n-Nonane	39.4		50.0		78.7	50-200			

**Matrix Spike (2349041-MS1)**

Source: E312013-07

Prepared: 12/05/23 Analyzed: 12/05/23

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.4	38-132			
Surrogate: n-Nonane	39.5		50.0		78.9	50-200			

**Matrix Spike Dup (2349041-MSD1)**

Source: E312013-07

Prepared: 12/05/23 Analyzed: 12/05/23

Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.2	38-132	0.867	20	
Surrogate: n-Nonane	39.5		50.0		79.0	50-200			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:38:29PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349051-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride ND 20.0

**LCS (2349051-BS1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 248 20.0 250 99.1 90-110

**Matrix Spike (2349051-MS1)**

Source: E312017-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 251 20.0 250 ND 101 80-120

**Matrix Spike Dup (2349051-MSD1)**

Source: E312017-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 254 20.0 250 ND 102 80-120 1.02 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/06/23 16:38

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: McCl Energy  
 Project: West Mant Spill L  
 Project Manager:  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Report due by:

Bill To  
 Attention: ENERGY STAFFING SERVICES  
 Address: 2724 NW COUNTY RD  
 City, State, Zip HOBBS, NM 88240  
 Phone: 575-393-9048  
 Email: NATALIE@ENERGYSTAFFINGLLC.COM  
BRITTNEY@ENERGYSTAFFINGLLC.COM

Lab Use Only		TAT			EPA Program					
Lab WO# <u>E 31207</u>	Job Number <u>20046-0001</u>	1D	2D	3D	Standard	CWA	SDWA			
Analysis and Method							RCRA			
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	State				
						NM	CO	UT	AZ	TX
						<input checked="" type="checkbox"/>				
						Remarks				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	BGDOC NM	BGDOC XI	Remarks
	12/02/23	S	1	SP 1 - SUB	1							<input checked="" type="checkbox"/>		
				SP 2 - SUB	2									
				SP 3 - SUB	3									
				SP 4 - SUB	4									
	12/02/23	S	1	SP 5 - SUB	5							<input checked="" type="checkbox"/>		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Juan Solis

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Juan Solis</u>	Date <u>12/02/23</u>	Time	Received by: (Signature) <u>Michelle Gayle</u>	Date <u>12-4-23</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N
Relinquished by: (Signature) <u>Michelle Gayle</u>	Date <u>12-4-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Andrew Hesse</u>	Date <u>12-4-23</u>	Time <u>1630</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>Andrew Hesse</u>	Date <u>12-4-23</u>	Time <u>2245</u>	Received by: (Signature) <u>(Signature)</u>	Date <u>12/5/23</u>	Time <u>7:30</u>	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



**Envirotech Analytical Laboratory**

Printed: 12/5/2023 9:35:15AM

**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client: Mack Energy	Date Received: 12/05/23 07:30	Work Order ID: E312017
Phone: (575) 390-6397	Date Logged In: 12/04/23 15:15	Logged In By: Jordan Montano
Email: Natalie@energystaffingllc.com	Due Date: 12/06/23 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

**Comments/Resolution**

Project manager and time sampled are not documented on COC by client.

\_\_\_\_\_  
Signature of client authorizing changes to the COC or sample disposition.

\_\_\_\_\_  
Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill I

Work Order: E312019

Job Number: 20046-0001

Received: 12/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/6/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 12/6/23

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill I  
Workorder: E312019  
Date Received: 12/5/2023 7:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2023 7:30:00AM, under the Project Name: West Mount Spill I.

The analytical test results summarized in this report with the Project Name: West Mount Spill I apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/06/23 16:34
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1-Surf	E312019-01A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.
SW2-Surf	E312019-02A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.
SW3-Surf	E312019-03A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.
SW4-Surf	E312019-04A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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**SW1-Surf  
E312019-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/06/23
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23
Toluene	ND	0.0250	1	12/05/23	12/06/23
o-Xylene	ND	0.0250	1	12/05/23	12/06/23
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23

<i>Surrogate: Bromofluorobenzene</i>	99.7 %	70-130		12/05/23	12/06/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.7 %	70-130		12/05/23	12/06/23
<i>Surrogate: Toluene-d8</i>	96.0 %	70-130		12/05/23	12/06/23

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23
<i>Surrogate: Bromofluorobenzene</i>	99.7 %	70-130		12/05/23	12/06/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	98.7 %	70-130		12/05/23	12/06/23
<i>Surrogate: Toluene-d8</i>	96.0 %	70-130		12/05/23	12/06/23

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2349046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23
Oil Range Organics (C28-C36)	<b>61.9</b>	50.0	1	12/05/23	12/06/23
<i>Surrogate: n-Nonane</i>	86.5 %	50-200		12/05/23	12/06/23

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2349051
Chloride	ND	20.0	1	12/05/23	12/05/23



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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**SW2-Surf**  
**E312019-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		95.8 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		85.8 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	1670	40.0	2	12/05/23	12/06/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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**SW3-Surf**

**E312019-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.2 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2349046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		87.1 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	11500	200	10	12/05/23	12/06/23	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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**SW4-Surf**  
**E312019-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2349032
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
<i>Surrogate: Bromofluorobenzene</i>		98.6 %	70-130	12/05/23	12/06/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	12/05/23	12/06/23	
<i>Surrogate: Toluene-d8</i>		96.1 %	70-130	12/05/23	12/06/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2349046
Diesel Range Organics (C10-C28)	ND	25.0	1	12/05/23	12/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/05/23	12/06/23	
<i>Surrogate: n-Nonane</i>		77.2 %	50-200	12/05/23	12/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2349051
Chloride	6220	200	10	12/05/23	12/06/23	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2349032-BLK1)

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102		70-130		
Surrogate: Toluene-d8	0.470		0.500		94.0		70-130		

#### LCS (2349032-BS1)

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.60	0.0250	2.50		104		70-130		
Ethylbenzene	2.48	0.0250	2.50		99.2		70-130		
Toluene	2.46	0.0250	2.50		98.2		70-130		
o-Xylene	2.52	0.0250	2.50		101		70-130		
p,m-Xylene	4.91	0.0500	5.00		98.2		70-130		
Total Xylenes	7.43	0.0250	7.50		99.1		70-130		
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104		70-130		
Surrogate: Toluene-d8	0.473		0.500		94.5		70-130		

#### Matrix Spike (2349032-MS1)

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.56	0.0250	2.50	ND	102		48-131		
Ethylbenzene	2.42	0.0250	2.50	ND	96.6		45-135		
Toluene	2.39	0.0250	2.50	ND	95.6		48-130		
o-Xylene	2.51	0.0250	2.50	ND	100		43-135		
p,m-Xylene	4.89	0.0500	5.00	ND	97.7		43-135		
Total Xylenes	7.40	0.0250	7.50	ND	98.6		43-135		
Surrogate: Bromofluorobenzene	0.508		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101		70-130		
Surrogate: Toluene-d8	0.472		0.500		94.4		70-130		

#### Matrix Spike Dup (2349032-MSD1)

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Benzene	2.55	0.0250	2.50	ND	102		48-131	0.274	23
Ethylbenzene	2.43	0.0250	2.50	ND	97.1		45-135	0.516	27
Toluene	2.40	0.0250	2.50	ND	95.8		48-130	0.251	24
o-Xylene	2.45	0.0250	2.50	ND	98.1		43-135	2.32	27
p,m-Xylene	4.76	0.0500	5.00	ND	95.3		43-135	2.51	27
Total Xylenes	7.22	0.0250	7.50	ND	96.2		43-135	2.44	27
Surrogate: Bromofluorobenzene	0.494		0.500		98.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102		70-130		
Surrogate: Toluene-d8	0.469		0.500		93.7		70-130		



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349032-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.470		0.500		94.0	70-130			

**LCS (2349032-BS2)**

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.5	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.6	70-130			

**Matrix Spike (2349032-MS2)**

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	83.0	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

**Matrix Spike Dup (2349032-MSD2)**

Source: E312018-01

Prepared: 12/05/23 Analyzed: 12/05/23

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.5	70-130	0.605	20	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349046-BLK1)**

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

**LCS (2349046-BS1)**

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	223	25.0	250		89.1	38-132			
Surrogate: n-Nonane	42.9		50.0		85.9	50-200			

**Matrix Spike (2349046-MS1)**

Source: E312015-03

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			

**Matrix Spike Dup (2349046-MSD1)**

Source: E312015-03

Prepared: 12/05/23 Analyzed: 12/06/23

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132	3.50	20	
Surrogate: n-Nonane	45.5		50.0		90.9	50-200			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill I Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/6/2023 4:34:25PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2349051-BLK1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride ND 20.0

**LCS (2349051-BS1)**

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 248 20.0 250 99.1 90-110

**Matrix Spike (2349051-MS1)**

Source: E312017-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 251 20.0 250 ND 101 80-120

**Matrix Spike Dup (2349051-MSD1)**

Source: E312017-01

Prepared: 12/05/23 Analyzed: 12/05/23

Chloride 254 20.0 250 ND 102 80-120 1.02 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy	Project Name:	West Mount Spill I	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/06/23 16:34

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Client: <u>Mule Energy</u> Project: <u>Westmount Sp. 11F</u> Project Manager: Address: City, State, Zip: Phone: Email: Report due by:	<b>Bill To</b> Attention: ENERGY STAFFING SERVICES Address: 2724 NW COUNTY RD City, State, Zip HOBBS, NM 88240 Phone: 575-393-9048 Email: NATALIE@ENERGYSTAFFINGLLC.COM BRITTNEY@ENERGYSTAFFINGLLC.COM	<b>Lab Use Only</b> Lab WO# <u>E 312019</u> Job Number <u>20046-000</u> Analysis and Method	<b>TAT</b> 1D <input type="checkbox"/> 2D <input checked="" type="checkbox"/> 3D <input type="checkbox"/> Standard	<b>EPA Program</b> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	11/4/23	S	1	SW1-surf	1							X		
				SW2-surf	2									
				SW3-surf	3									
	12/1/23	S	1	SW4-surf	4							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. **Sampled by: Andy Torvege**

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Andy Torvege</u>	Date <u>12-4-23</u>	Time	Received by: (Signature) <u>Michelle Kemp</u>	Date <u>12-4-23</u>	Time <u>1315</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Kemp</u>	Date <u>12-4-23</u>	Time <u>1630</u>	Received by: (Signature) <u>Andrew Mosso</u>	Date <u>12-4-23</u>	Time <u>1630</u>	
Relinquished by: (Signature) <u>Andrew Mosso</u>	Date <u>12-4-23</u>	Time <u>2245</u>	Received by: (Signature) <u>(Montano)</u>	Date <u>12/5/23</u>	Time <u>7:30</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/5/2023 9:40:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy	Date Received: 12/05/23 07:30	Work Order ID: E312019
Phone: (575) 390-6397	Date Logged In: 12/04/23 15:17	Logged In By: Jordan Montano
Email: Natalie@energystaffingllc.com	Due Date: 12/06/23 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? No

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

**Comments/Resolution**

Project manager and time sampled are not documented on COC by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E407170

Job Number: 20046-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/24/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/24/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E407170  
Date Received: 7/23/2024 5:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 5:00:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/24/24 14:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - 6'	E407170-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 2 - 4'	E407170-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 3 - 4'	E407170-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 4 - 4'	E407170-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 5 - 4'	E407170-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 1 - 6'**

**E407170-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.4 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2430040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		85.0 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2430048	
Chloride	54.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 2 - 4'**

**E407170-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2430040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		82.2 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2430048	
Chloride	54.8	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 3 - 4'**

**E407170-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		86.8 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2430048
Chloride	53.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 4 - 4'**

**E407170-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2430040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2430048	
Chloride	53.3	20.0	1	07/23/24	07/23/24	



## Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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## SP 5 - 4'

## E407170-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		81.8 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2430048
Chloride	53.7	20.0	1	07/23/24	07/23/24	

### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430045-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			

**LCS (2430045-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.91	0.0250	5.00		98.2	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130			
Toluene	4.83	0.0250	5.00		96.7	70-130			
o-Xylene	4.70	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

**Matrix Spike (2430045-MS1)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.96	0.0250	5.00	ND	99.2	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

**Matrix Spike Dup (2430045-MSD1)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.62	0.0250	5.00	ND	92.4	54-133	7.09	20	
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	61-133	7.06	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	7.00	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	63-131	6.86	20	
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	63-131	6.97	20	
Total Xylenes	13.5	0.0250	15.0	ND	90.0	63-131	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.7	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430045-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

**LCS (2430045-BS2)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			

**Matrix Spike (2430045-MS2)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

**Matrix Spike Dup (2430045-MSD2)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130	1.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430040-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			

**LCS (2430040-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

**Matrix Spike (2430040-MS1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

**Matrix Spike Dup (2430040-MSD1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	215	25.0	250	ND	85.9	38-132	2.08	20	
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430048-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride	ND	20.0							
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**LCS (2430048-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride	248	20.0	250		99.4	90-110			
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**Matrix Spike (2430048-MS1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride	309	20.0	250	53.3	102	80-120			
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**Matrix Spike Dup (2430048-MSD1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride	310	20.0	250	53.3	103	80-120	0.280	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/24/24 14:16

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Mack Energy</u>	<b>Bill To</b> Attention: ENERGY STAFFING SERVICES Address: 2724 NW COUNTY RD City, State, Zip HOBBS, NM 88240 Phone: 575-393-9048 Email: NATALIE@ENERGYSTAFFINGLLC.COM BRITNEY@ENERGYSTAFFINGLLC.COM	Lab Use Only		TAT			EPA Program		
Project: <u>WEST MOUNT SPILL L</u>		Lab WO# <u>E407170</u>	Job Number <u>20046-0001</u>	1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Analysis and Method							RCRA
Address:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
City, State, Zip		State							
Phone:		NM	CO	UT	AZ	TX	Remarks		
Email:	<input checked="" type="checkbox"/>								
Report due by:									

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks	
	07/19	S	1	SP 1 - 6'	1							X			
	}	}	}	SP 2 - 4'	2										
				SP 3 - 4'	3										
				SP 4 - 4'	4										
	07/19	S	1	SP 5 - 4'	5							X			

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>Juan Solis</u>	Date <u>07/19/24</u>	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-22-24</u>	Time <u>1310</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-22-24</u>	Time <u>1620</u>	Received by: (Signature) <u>A.M.</u>	Date <u>7-22-24</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>A.M.</u>	Date <u>7-22-24</u>	Time <u>2345</u>	Received by: (Signature) <u>Kyle R Heel</u>	Date <u>7-23-24</u>	Time <u>0500</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 7/23/2024 10:17:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy	Date Received: 07/23/24 05:00	Work Order ID: E407170
Phone: (575) 390-6397	Date Logged In: 07/22/24 16:43	Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com	Due Date: 07/24/24 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

Project manager name and time sampled are missing in COC by client.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E407172

Job Number: 20046-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/24/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/24/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E407172  
Date Received: 7/23/2024 5:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 5:00:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/24/24 13:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 1 - 2'	E407172-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 2 - 2'	E407172-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 3 - 2'	E407172-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 4 - 2'	E407172-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 5 - 2'	E407172-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 6 - 2'	E407172-06A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 7 - 2'	E407172-07A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 8 - 2'	E407172-08A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 1 - 2'**

**E407172-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2430044	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2430044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2430020	
Chloride	54.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 2 - 2'**

**E407172-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		124 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	55.8	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 3 - 2'**

**E407172-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	55.5	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 4 - 2'**

**E407172-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		127 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.4	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 5 - 2'**

**E407172-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.9 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		126 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.2	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 6 - 2'**

**E407172-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		119 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.3	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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SW 7 - 2'

E407172-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	56.4	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 8 - 2'**

**E407172-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.5	20.0	1	07/23/24	07/23/24	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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#### Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430044-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

**LCS (2430044-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	5.66	0.0250	5.00		113	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.55	0.0250	5.00		111	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

**Matrix Spike (2430044-MS1)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	5.65	0.0250	5.00	ND	113	54-133			
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133			
Toluene	5.55	0.0250	5.00	ND	111	61-130			
o-Xylene	5.39	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

**Matrix Spike Dup (2430044-MSD1)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	5.06	0.0250	5.00	ND	101	54-133	10.9	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133	10.5	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	10.7	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	10.7	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	10.5	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	10.6	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430044-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			

**LCS (2430044-BS2)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			

**Matrix Spike (2430044-MS2)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

**Matrix Spike Dup (2430044-MSD2)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130	9.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430024-BLK1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

**LCS (2430024-BS1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			

**LCS Dup (2430024-BSD1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132	18.4	20	
Surrogate: n-Nonane	68.2		50.0		136	50-200			



### QC Summary Data

Mack Energy	Project Name:	West Mount Spill L	<b>Reported:</b> 7/24/2024 1:36:00PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2430020-BLK1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	ND	20.0							
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**LCS (2430020-BS1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	246	20.0	250		98.2	90-110			
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**LCS Dup (2430020-BSD1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	246	20.0	250		98.6	90-110	0.369	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/24/24 13:36

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Envirotech Analytical Laboratory

Printed: 7/23/2024 10:21:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy Date Received: 07/23/24 05:00 Work Order ID: E407172
Phone: (575) 390-6397 Date Logged In: 07/22/24 17:01 Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com Due Date: 07/24/24 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier:

Comments/Resolution

Project manager name and time sampled are missing on COC by client.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

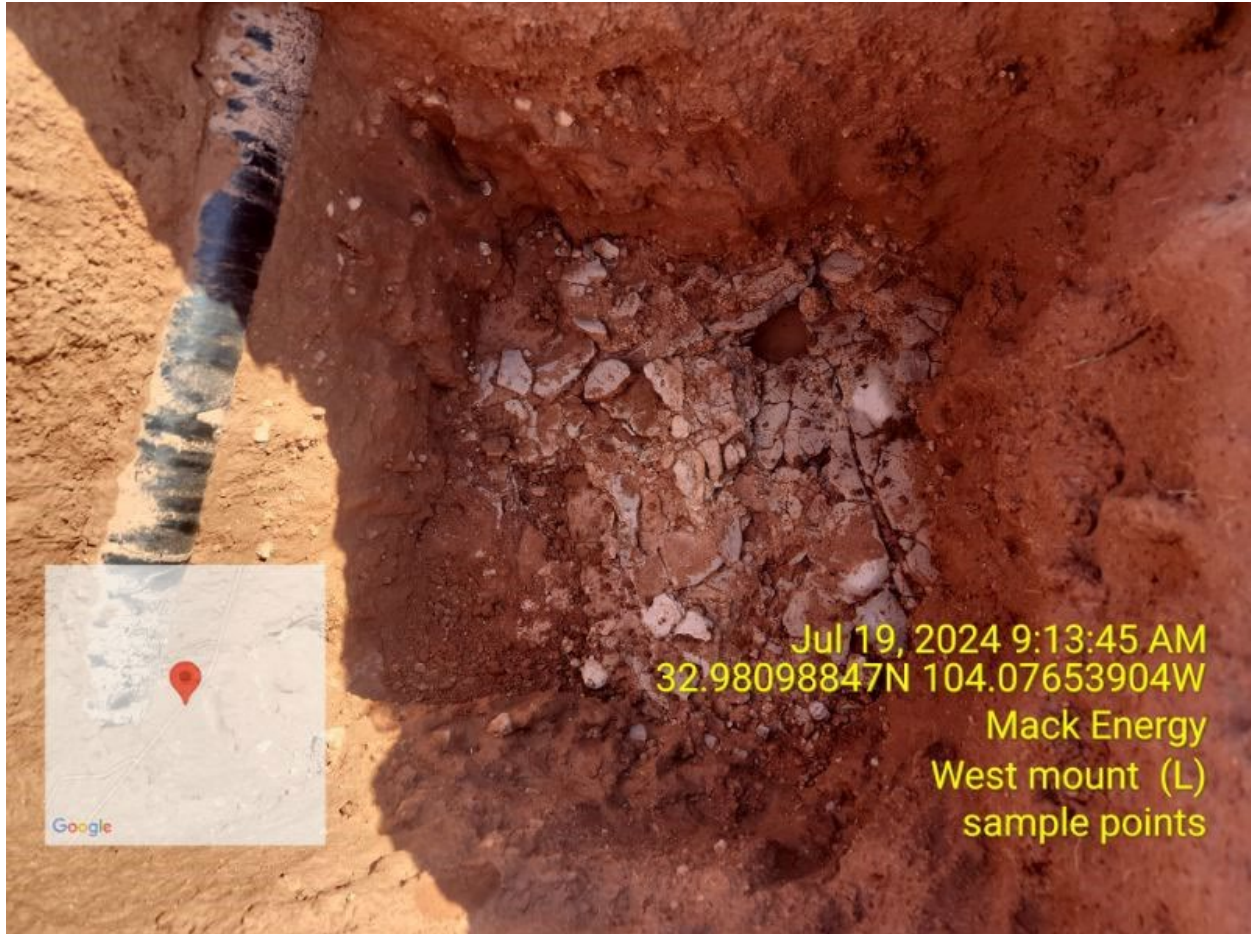
**MACK ENERGY CORPORATION  
WEST MOUNT SPILL L – DELINEATION PHOTOS**



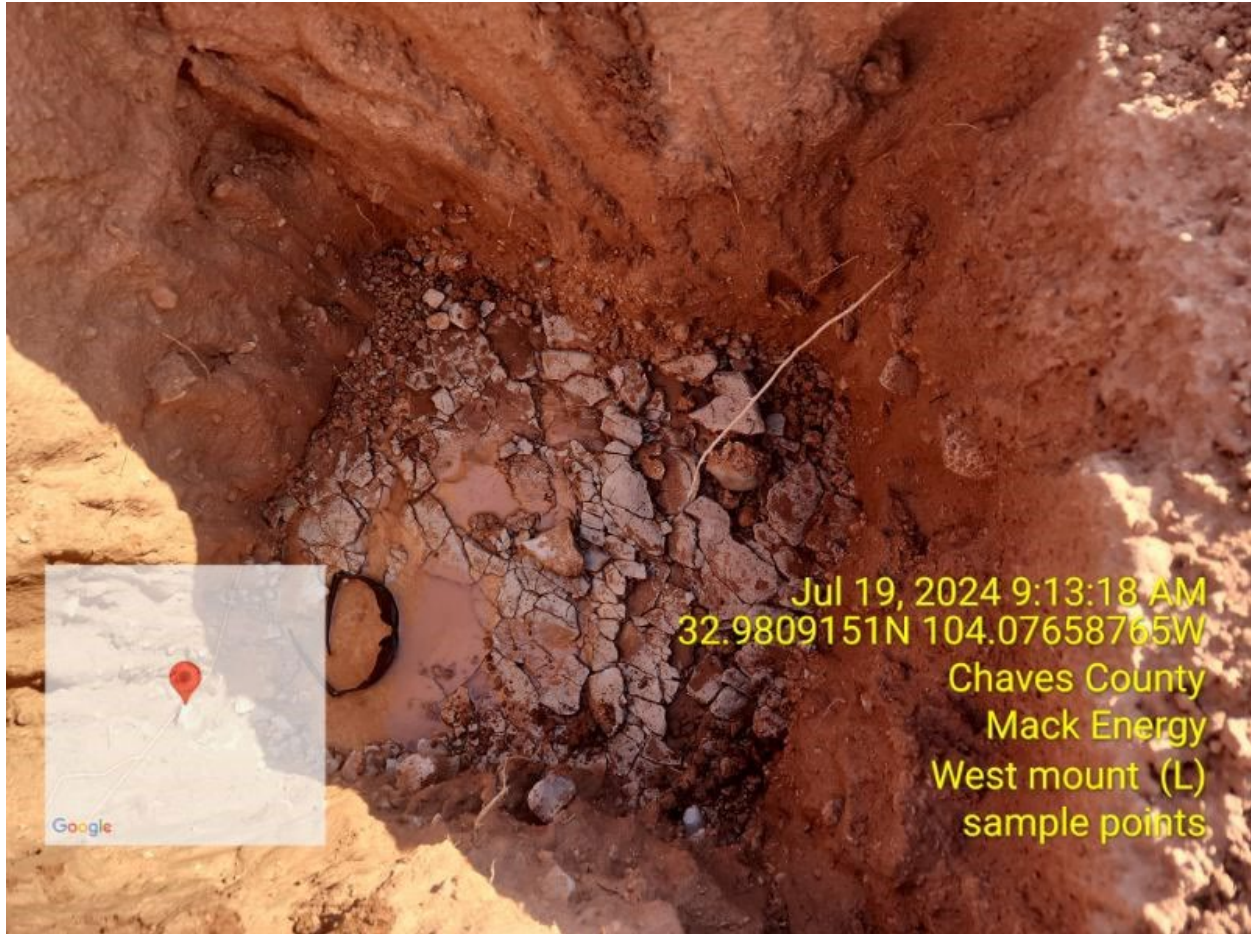


Jul 19, 2024 8:05:34 AM  
32.98098299N 104.07644176W  
Mack Energy  
West mount. (L)  
sample points





Jul 19, 2024 9:13:45 AM  
32.98098847N 104.07653904W  
Mack Energy  
West mount (L)  
sample points



Jul 19, 2024 9:13:18 AM  
32.9809151N 104.07658765W  
Chaves County  
Mack Energy  
West mount (L)  
sample points









**Natalie Gladden**

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**From:** OCDOnline@state.nm.us  
**Sent:** Friday, November 22, 2024 12:53 PM  
**To:** Natalie Gladden  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 405961

To whom it may concern (c/o Natalie Gladden for MACK ENERGY CORP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2329853274.

The sampling event is expected to take place:

**When:** 11/26/2024 @ 07:00

**Where:** G-30-15S-29E 0 FNL 0 FEL (32.980975,-104.076513)

**Additional Information:** NATALIE GLADDEN 5753906397

**Additional Instructions:** WEST MOUNT SPILL L  
NATALIE GLADDEN 5753906397

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**Company Name:** MACK ENERGY

**Location Name:** WEST MOUNT SPILL L

**Release Date:** 9/21/2023

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP1	2	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP2	2	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP3	2	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP4	SURF	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP5	SURF	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP6	SURF	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP7	SURF	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP8	SURF	80	L	ND	ND	ND	ND	ND	ND		12/16/2024
COMP9	SURF	160	L	ND	ND	ND	ND	ND	48.1		12/17/2024
SWCOMP1	2	80	L	ND	ND	ND	ND	ND	ND		12/17/2024
SWCOMP2	SURF	160	L	ND	ND	ND	ND	ND	69.4		12/17/2024
SWCOMP3	SURF	80	L	ND	ND	ND	ND	ND	ND		12/17/2024
SWCOMP4	SURF	160	L	ND	ND	ND	ND	ND	73.6		12/17/2024



Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E407170

Job Number: 20046-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/24/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/24/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E407170  
Date Received: 7/23/2024 5:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 5:00:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/24/24 14:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1 - 6'	E407170-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 2 - 4'	E407170-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 3 - 4'	E407170-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 4 - 4'	E407170-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SP 5 - 4'	E407170-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 1 - 6'**

**E407170-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2430040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>						
	85.0 %	50-200		07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2430048	
Chloride	54.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 2 - 4'**

**E407170-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.8 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2430045	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2430040	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		82.2 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2430048	
Chloride	54.8	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 3 - 4'**

**E407170-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		86.8 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2430048
Chloride	53.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 4 - 4'**

**E407170-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2430048
Chloride	53.3	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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**SP 5 - 4'**

**E407170-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: CG		Batch: 2430045
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.8 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2430040
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		81.8 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2430048
Chloride	53.7	20.0	1	07/23/24	07/23/24	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430045-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			

**LCS (2430045-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.91	0.0250	5.00		98.2	70-130			
Ethylbenzene	4.73	0.0250	5.00		94.5	70-130			
Toluene	4.83	0.0250	5.00		96.7	70-130			
o-Xylene	4.70	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.61	0.0500	10.0		96.1	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.2	70-130			

**Matrix Spike (2430045-MS1)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.96	0.0250	5.00	ND	99.2	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.88	0.0250	5.00	ND	97.6	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.6	70-130			

**Matrix Spike Dup (2430045-MSD1)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	4.62	0.0250	5.00	ND	92.4	54-133	7.09	20	
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	61-133	7.06	20	
Toluene	4.55	0.0250	5.00	ND	91.0	61-130	7.00	20	
o-Xylene	4.44	0.0250	5.00	ND	88.8	63-131	6.86	20	
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	63-131	6.97	20	
Total Xylenes	13.5	0.0250	15.0	ND	90.0	63-131	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.7	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430045-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

**LCS (2430045-BS2)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.3	70-130			

**Matrix Spike (2430045-MS2)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

**Matrix Spike Dup (2430045-MSD2)**

Source: E407173-23

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.7	70-130	1.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430040-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.7		50.0		83.3	50-200			

**LCS (2430040-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	210	25.0	250		83.9	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

**Matrix Spike (2430040-MS1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.7	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

**Matrix Spike Dup (2430040-MSD1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	215	25.0	250	ND	85.9	38-132	2.08	20	
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 2:16:18PM
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#### Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430048-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride ND 20.0

**LCS (2430048-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride 248 20.0 250 99.4 90-110

**Matrix Spike (2430048-MS1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride 309 20.0 250 53.3 102 80-120

**Matrix Spike Dup (2430048-MSD1)**

Source: E407170-04

Prepared: 07/23/24 Analyzed: 07/23/24

Chloride 310 20.0 250 53.3 103 80-120 0.280 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/24/24 14:16

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Mack Energy</u>		Bill To		Lab Use Only		TAT			EPA Program		
Project: <u>West Mount Spill L</u>		Attention: ENERGY STAFFING SERVICES		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager:		Address: 2724 NW COUNTY RD		<u>E407170</u>	<u>20046-0001</u>		<input checked="" type="checkbox"/>				
Address:		City, State, Zip HOBBS, NM 88240		Analysis and Method							
City, State, Zip		Phone: 575-393-9048		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone:		Email: NATALIE@ENERGYSTAFFINGLLC.COM		State							
Email:		BRITNEY@ENERGYSTAFFINGLLC.COM		<input checked="" type="checkbox"/>							
Report due by:				Remarks							

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks	
	07/19	S	1	SP 1 - 6'	1							<input checked="" type="checkbox"/>			
	}	}	}	SP 2 - 4'	2										
				SP 3 - 4'	3										
				SP 4 - 4'	4										
	07/19	S	1	SP 5 - 4'	5							<input checked="" type="checkbox"/>			

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>Juan Solis</u>		Date	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date	Time	Received by: (Signature) <u>A.M.</u>	Date	Time	
Relinquished by: (Signature) <u>A.M.</u>		Date	Time	Received by: (Signature) <u>Kyle R Heel</u>	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 7/23/2024 10:17:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy	Date Received: 07/23/24 05:00	Work Order ID: E407170
Phone: (575) 390-6397	Date Logged In: 07/22/24 16:43	Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com	Due Date: 07/24/24 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

Project manager name and time sampled are missing in COC by client.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E407172

Job Number: 20046-0001

Received: 7/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/24/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/24/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E407172  
Date Received: 7/23/2024 5:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/23/2024 5:00:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/24/24 13:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 1 - 2'	E407172-01A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 2 - 2'	E407172-02A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 3 - 2'	E407172-03A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 4 - 2'	E407172-04A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 5 - 2'	E407172-05A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 6 - 2'	E407172-06A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 7 - 2'	E407172-07A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.
SW 8 - 2'	E407172-08A	Soil	07/19/24	07/23/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 1 - 2'**

**E407172-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2430044	
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2430044	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2430024	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2430020	
Chloride	54.7	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 2 - 2'**

**E407172-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/23/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/23/24	
Toluene	ND	0.0250	1	07/23/24	07/23/24	
o-Xylene	ND	0.0250	1	07/23/24	07/23/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/23/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/23/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.7 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/23/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		124 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	55.8	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 3 - 2'**

**E407172-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.3 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	55.5	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 4 - 2'**

**E407172-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.1 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		127 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.4	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 5 - 2'**

**E407172-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.9 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		126 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.2	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 6 - 2'**

**E407172-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.0 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		119 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.3	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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SW 7 - 2'

E407172-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.6 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		123 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	56.4	20.0	1	07/23/24	07/23/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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**SW 8 - 2'**

**E407172-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Benzene	ND	0.0250	1	07/23/24	07/24/24	
Ethylbenzene	ND	0.0250	1	07/23/24	07/24/24	
Toluene	ND	0.0250	1	07/23/24	07/24/24	
o-Xylene	ND	0.0250	1	07/23/24	07/24/24	
p,m-Xylene	ND	0.0500	1	07/23/24	07/24/24	
Total Xylenes	ND	0.0250	1	07/23/24	07/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.1 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2430044
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/23/24	07/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		108 %	70-130	07/23/24	07/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2430024
Diesel Range Organics (C10-C28)	ND	25.0	1	07/23/24	07/23/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/23/24	07/23/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	07/23/24	07/23/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: WF		Batch: 2430020
Chloride	54.5	20.0	1	07/23/24	07/23/24	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/24/2024 1:36:00PM
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#### Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430044-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

**LCS (2430044-BS1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	5.66	0.0250	5.00		113	70-130			
Ethylbenzene	5.26	0.0250	5.00		105	70-130			
Toluene	5.55	0.0250	5.00		111	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

**Matrix Spike (2430044-MS1)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/24/24

Benzene	5.65	0.0250	5.00	ND	113	54-133			
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133			
Toluene	5.55	0.0250	5.00	ND	111	61-130			
o-Xylene	5.39	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

**Matrix Spike Dup (2430044-MSD1)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Benzene	5.06	0.0250	5.00	ND	101	54-133	10.9	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133	10.5	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	10.7	20	
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131	10.7	20	
p,m-Xylene	9.80	0.0500	10.0	ND	98.0	63-131	10.5	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.6	63-131	10.6	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			



### QC Summary Data

Mack Energy	Project Name:	West Mount Spill L	<b>Reported:</b> 7/24/2024 1:36:00PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430044-BLK1)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			

**LCS (2430044-BS2)**

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.67		8.00		108	70-130			

**Matrix Spike (2430044-MS2)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

**Matrix Spike Dup (2430044-MSD2)**

Source: E407172-02

Prepared: 07/23/24 Analyzed: 07/23/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130	9.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.65		8.00		108	70-130			



### QC Summary Data

Mack Energy	Project Name:	West Mount Spill L	<b>Reported:</b> 7/24/2024 1:36:00PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2430024-BLK1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			

**LCS (2430024-BS1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			

**LCS Dup (2430024-BSD1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Diesel Range Organics (C10-C28)	312	25.0	250		125	38-132	18.4	20	
Surrogate: n-Nonane	68.2		50.0		136	50-200			



### QC Summary Data

Mack Energy	Project Name:	West Mount Spill L	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	7/24/2024 1:36:00PM

#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2430020-BLK1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	ND	20.0							
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**LCS (2430020-BS1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	246	20.0	250		98.2	90-110			
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**LCS Dup (2430020-BSD1)**

Prepared: 07/22/24 Analyzed: 07/23/24

Chloride	246	20.0	250		98.6	90-110	0.369	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Mack Energy	Project Name:	West Mount Spill L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	07/24/24 13:36

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Mack Energy  
 Project: West Mount Spill  
 Project Manager:  
 Address:  
 City, State, Zip  
 Phone:  
 Email:  
 Report due by:

**Bill To**  
 Attention: ENERGY STAFFING SERVICES  
 Address: 2724 NW COUNTY RD  
 City, State, Zip HOBBS, NM 88240  
 Phone: 575-393-9048  
 Email: NATALIE@ENERGYSTAFFINGLLC.COM  
 BRITTNEY@ENERGYSTAFFINGLLC.COM

Lab Use Only		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E407172</u>	<u>20046-0001</u>		<input checked="" type="checkbox"/>				
Analysis and Method							RCRA
							State
							NM CO UT AZ TX
							<input checked="" type="checkbox"/>

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/IDRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	07/19	S	1	Sw 1 - 2'	1							<input checked="" type="checkbox"/>		
				Sw 2 - 2'	2									
				Sw 3 - 2'	3									
				Sw 4 - 2'	4									
				Sw 5 - 2'	5									
				Sw 6 - 2'	6									
				Sw 7 - 2'	7									
	07/19	S	1	Sw 8 - 2'	8							<input checked="" type="checkbox"/>		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Juan Solis</u>	Date <u>07/19/24</u>	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-22-24</u>	Time <u>1310</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>7-22-24</u>	Time <u>1620</u>	Received by: (Signature) <u>A.M.</u>	Date <u>7-22-24</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>A.M.</u>	Date <u>7-22-24</u>	Time <u>2345</u>	Received by: (Signature) <u>Kenneth R. Hall</u>	Date <u>7-23-24</u>	Time <u>0500</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 7/23/2024 10:21:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy Date Received: 07/23/24 05:00 Work Order ID: E407172
Phone: (575) 390-6397 Date Logged In: 07/22/24 17:01 Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com Due Date: 07/24/24 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier:

Comments/Resolution

Project manager name and time sampled are missing on COC by client.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

[Empty box for client instruction]

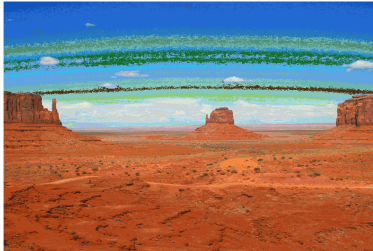
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount L

Work Order: E412133

Job Number: 20046-0001

Received: 12/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/19/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/19/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount L  
Workorder: E412133  
Date Received: 12/18/2024 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2024 8:15:00AM, under the Project Name: West Mount L.

The analytical test results summarized in this report with the Project Name: West Mount L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/24 14:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp Comp 1-2'	E412133-01A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 2-2'	E412133-02A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 3-2'	E412133-03A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 4-Surf	E412133-04A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 5-Surf	E412133-05A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 6-Surf	E412133-06A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 7-Surf	E412133-07A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
Sp Comp 8-Surf	E412133-08A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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**Sp Comp 1-2'**  
**E412133-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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**Sp Comp 2-2'**  
**E412133-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.0 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.6 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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**Sp Comp 3-2'**

**E412133-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.3 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Sp Comp 4-Surf

#### E412133-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.2 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Sp Comp 5-Surf

E412133-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Sp Comp 6-Surf

E412133-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.9 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Sp Comp 7-Surf

E412133-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451041	
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.4 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451043	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2451042	
Chloride	ND	20.0	1	12/18/24	12/18/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Sp Comp 8-Surf

E412133-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Benzene	ND	0.0250	1	12/18/24	12/18/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/18/24	
Toluene	ND	0.0250	1	12/18/24	12/18/24	
o-Xylene	ND	0.0250	1	12/18/24	12/18/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/18/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/18/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.2 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/18/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	12/18/24	12/18/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451043
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/18/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451042
Chloride	ND	20.0	1	12/18/24	12/18/24	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/19/2024 2:06:46PM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2451041-BLK1)

Prepared: 12/18/24 Analyzed: 12/18/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

#### LCS (2451041-BS1)

Prepared: 12/18/24 Analyzed: 12/18/24

Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.95	0.0250	5.00		99.0	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.95	0.0250	5.00		99.1	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

#### LCS Dup (2451041-BSD1)

Prepared: 12/18/24 Analyzed: 12/18/24

Benzene	5.42	0.0250	5.00		108	70-130	5.96	20	
Ethylbenzene	5.28	0.0250	5.00		106	70-130	6.45	20	
Toluene	5.38	0.0250	5.00		108	70-130	6.15	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	6.29	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	6.38	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	6.35	20	
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			



### QC Summary Data

Mack Energy	Project Name:	West Mount L	<b>Reported:</b> 12/19/2024 2:06:46PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451041-BLK1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.6	70-130			

**LCS (2451041-BS2)**

Prepared: 12/18/24 Analyzed: 12/18/24

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

**LCS Dup (2451041-BSD2)**

Prepared: 12/18/24 Analyzed: 12/18/24

Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130	10.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			



### QC Summary Data

Mack Energy	Project Name:	West Mount L	<b>Reported:</b> 12/19/2024 2:06:46PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451043-BLK1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.3		50.0		115	50-200			

**LCS (2451043-BS1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	62.7		50.0		125	50-200			

**Matrix Spike (2451043-MS1)**

Source: E412132-09

Prepared: 12/18/24 Analyzed: 12/18/24

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			

**Matrix Spike Dup (2451043-MSD1)**

Source: E412132-09

Prepared: 12/18/24 Analyzed: 12/18/24

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132	5.39	20	
Surrogate: n-Nonane	59.9		50.0		120	50-200			



### QC Summary Data

Mack Energy	Project Name:	West Mount L	<b>Reported:</b> 12/19/2024 2:06:46PM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2451042-BLK1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Chloride	ND	20.0							
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**LCS (2451042-BS1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Chloride	258	20.0	250		103	90-110			
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**LCS Dup (2451042-BSD1)**

Prepared: 12/18/24 Analyzed: 12/18/24

Chloride	257	20.0	250		103	90-110	0.423	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy	Project Name:	West Mount L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/19/24 14:06

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Mack Energy</u> Project: <u>West Maunzt J.</u> Project Manager: Address: City, State, Zip: Phone: Email: Report due by:		<b>Bill To</b> Attention: ENERGY STAFFING SERVICES Address: 2724 NW COUNTY RD City, State, Zip HOBBS, NM 88240 Phone: 575-393-9048 Email: NATALIE@ENERGYSTAFFINGLLC.COM BRITTNEY@ENERGYSTAFFINGLLC.COM		<b>Lab Use Only</b> Lab WO# <u>E412133</u> Job Number <u>20046-0001</u>		<b>TAT</b> 1D 2D 3D Standard		<b>EPA Program</b> CWA SDWA RCRA	
				Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX		State NM CO UT AZ TX			

Time Sampled	Date Sampled	Matrix	No of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	12/16/24	S	1	Sp Comp 1-2'	1							X		
				Sp Comp 2-2'	2									
				Sp Comp 3-2'	3									
				Sp Comp 4-2'	4									
				Sp Comp 5-2'	5									
				Sp Comp 6-2'	6									
				Sp Comp 7-2'	7									
	12/16/24	S	1	Sp Comp 8-2'	8							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Jose R. Alvarez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Jose R. Alvarez</u>	Date 12/16/24	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date 12-17-24	Time 1415	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date 12-17-24	Time 1640	Received by: (Signature) <u>[Signature]</u>	Date 12-17-24	Time 1640	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>[Signature]</u>	Date 12-17-24	Time 2318	Received by: (Signature) <u>Noe Soto</u>	Date 12-18-24	Time 0815	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/18/2024 10:47:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy Date Received: 12/18/24 08:15 Work Order ID: E412133
Phone: (575) 390-6397 Date Logged In: 12/17/24 15:45 Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com Due Date: 12/19/24 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Project manager and time sampled are missing on COC by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount L

Work Order: E412143

Job Number: 20046-0001

Received: 12/19/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/30/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/30/24



Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount L  
Workorder: E412143  
Date Received: 12/19/2024 7:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2024 7:45:00AM, under the Project Name: West Mount L.

The analytical test results summarized in this report with the Project Name: West Mount L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/24 08:17
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Sp Comp 9-Surf	E412143-01A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
Sw Comp 1-2'	E412143-02A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
Sw Comp 2-Surf	E412143-03A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
Sw Comp 3-Surf	E412143-04A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
Sw Comp 4-Surf	E412143-05A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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#### Sp Comp 9-Surf E412143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451066	
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.0 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451066	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2451072	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451069	
Chloride	48.1	20.0	1	12/19/24	12/19/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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**Sw Comp 1-2'**

**E412143-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.4 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2451072
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2451069
Chloride	ND	20.0	1	12/19/24	12/19/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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**Sw Comp 2-Surf**

**E412143-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		86.2 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2451072
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		98.3 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2451069
Chloride	69.4	20.0	1	12/19/24	12/19/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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#### Sw Comp 3-Surf

#### E412143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.1 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2451072
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2451069
Chloride	ND	20.0	1	12/19/24	12/19/24	



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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**Sw Comp 4-Surf**

**E412143-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.5 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451066
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2451072
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: JM		Batch: 2451069
Chloride	73.6	20.0	1	12/19/24	12/19/24	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451066-BLK1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.2	70-130			

**LCS (2451066-BS1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.63		8.00		82.9	70-130			

**LCS Dup (2451066-BSD1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Benzene	5.14	0.0250	5.00		103	70-130	0.331	20	
Ethylbenzene	5.00	0.0250	5.00		100	70-130	0.223	20	
Toluene	5.11	0.0250	5.00		102	70-130	0.00979	20	
o-Xylene	4.97	0.0250	5.00		99.4	70-130	0.491	20	
p,m-Xylene	10.1	0.0500	10.0		101	70-130	0.277	20	
Total Xylenes	15.1	0.0250	15.0		101	70-130	0.347	20	
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.7	70-130			



### QC Summary Data

Mack Energy	Project Name:	West Mount L	<b>Reported:</b> 12/30/2024 8:17:46AM
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	

#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451066-BLK1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

**LCS (2451066-BS2)**

Prepared: 12/19/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	40.7	20.0	50.0		81.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

**LCS Dup (2451066-BSD2)**

Prepared: 12/19/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130	2.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 12/30/2024 8:17:46AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451072-BLK1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	50-200			

**LCS (2451072-BS1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

**Matrix Spike (2451072-MS1)**

Source: E412145-05

Prepared: 12/19/24 Analyzed: 12/19/24

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

**Matrix Spike Dup (2451072-MSD1)**

Source: E412145-05

Prepared: 12/19/24 Analyzed: 12/19/24

Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	1.36	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



### QC Summary Data

Mack Energy	Project Name:	West Mount L	<b>Reported:</b>
7 W. Compress Road	Project Number:	20046-0001	
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/30/2024 8:17:46AM

#### Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2451069-BLK1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Chloride	ND	20.0							
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**LCS (2451069-BS1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Chloride	250	20.0	250		100	90-110			
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**LCS Dup (2451069-BSD1)**

Prepared: 12/19/24 Analyzed: 12/19/24

Chloride	250	20.0	250		100	90-110	0.0791	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy	Project Name:	West Mount L	
7 W. Compress Road	Project Number:	20046-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Natalie Gladden	12/30/24 08:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Mack Energy</u>	Bill To	Lab Use Only		TAT			EPA Program		
Project: <u>West Mount L.</u>	Attention: ENERGY STAFFING SERVICES	Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager:	Address: 2724 NW COUNTY RD	<u>E412143</u>	<u>20046-0001</u>		<input checked="" type="checkbox"/>				
Address:	City, State, Zip HOBBS, NM 88240	Analysis and Method							
City, State, Zip	Phone: 575-393-9048	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX
Phone:	Email: NATALIE@ENERGYSTAFFINGLLC.COM	State							
Email:	BRITTNEY@ENERGYSTAFFINGLLC.COM	NM	CO	UT	AZ	TX	Remarks		
Report due by:		<input checked="" type="checkbox"/>							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	<u>12/17/24</u>	<u>S</u>	<u>1</u>	<u>Sp Comp 9 - Surf.</u>	<u>1</u>							<input checked="" type="checkbox"/>		
	<u> </u>	<u> </u>	<u> </u>	<u>Sw Comp 1 - 2'</u>	<u>2</u>							<u> </u>		
	<u> </u>	<u> </u>	<u> </u>	<u>Sw Comp 2 - Surf.</u>	<u>3</u>							<u> </u>		
	<u> </u>	<u> </u>	<u> </u>	<u>Sw Comp 3 - Surf.</u>	<u>4</u>							<u> </u>		
	<u>12/17/24</u>	<u>S</u>	<u>1</u>	<u>Sw Comp 4 - Surf.</u>	<u>5</u>							<input checked="" type="checkbox"/>		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Rose R Alvarez

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Rose R Alvarez</u>	Date <u>12/17/24</u>	Time	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-18-24</u>	Time <u>1310</u>	Received on ice: <input checked="" type="checkbox"/> Y / N
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-18-24</u>	Time <u>1600</u>	Received by: (Signature) <u>RS</u>	Date <u>12-18-24</u>	Time <u>1600</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>RS</u>	Date <u>12-18-24</u>	Time <u>2145</u>	Received by: (Signature) <u>Noe Soto</u>	Date <u>12-19-24</u>	Time <u>0745</u>	AVG Temp °C <u>4</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 12/19/2024 11:41:53AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy	Date Received: 12/19/24 07:45	Work Order ID: E412143
Phone: (575) 390-6397	Date Logged In: 12/18/24 16:00	Logged In By: Noe Soto
Email: Natalie@energystaffingllc.com	Due Date: 12/20/24 17:00 (1 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
  - 2. Does the number of samples per sampling site location match the COC? Yes
  - 3. Were samples dropped off by client or carrier? Yes
  - 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
  - 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier: Courier

**Comments/Resolution**

Project manager and time sampled are not provided by client on COC.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
  - 8. If yes, was cooler received in good condition? Yes
  - 9. Was the sample(s) received intact, i.e., not broken? Yes
  - 10. Were custody/security seals present? No
  - 11. If yes, were custody/security seals intact? NA
  - 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

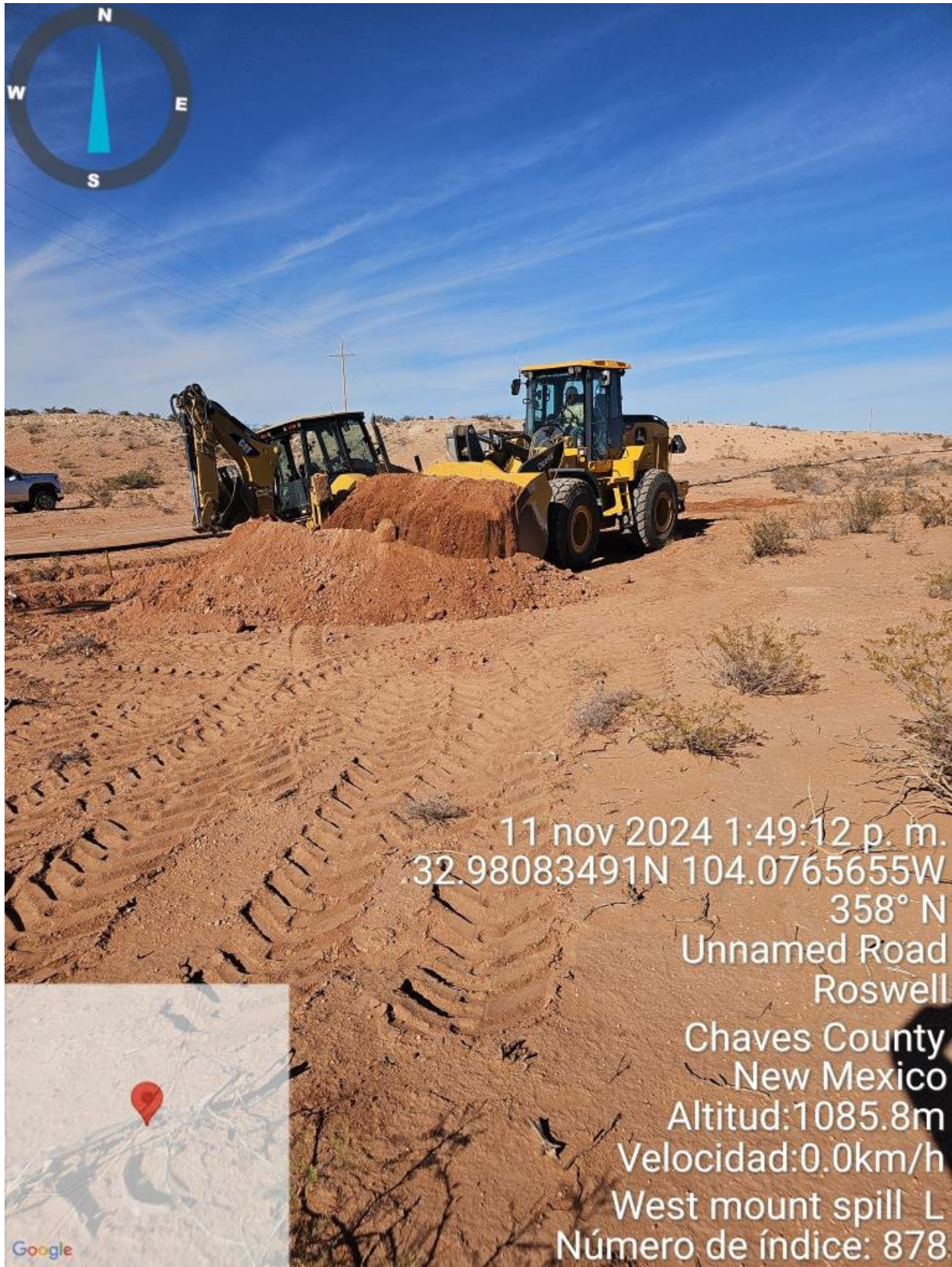


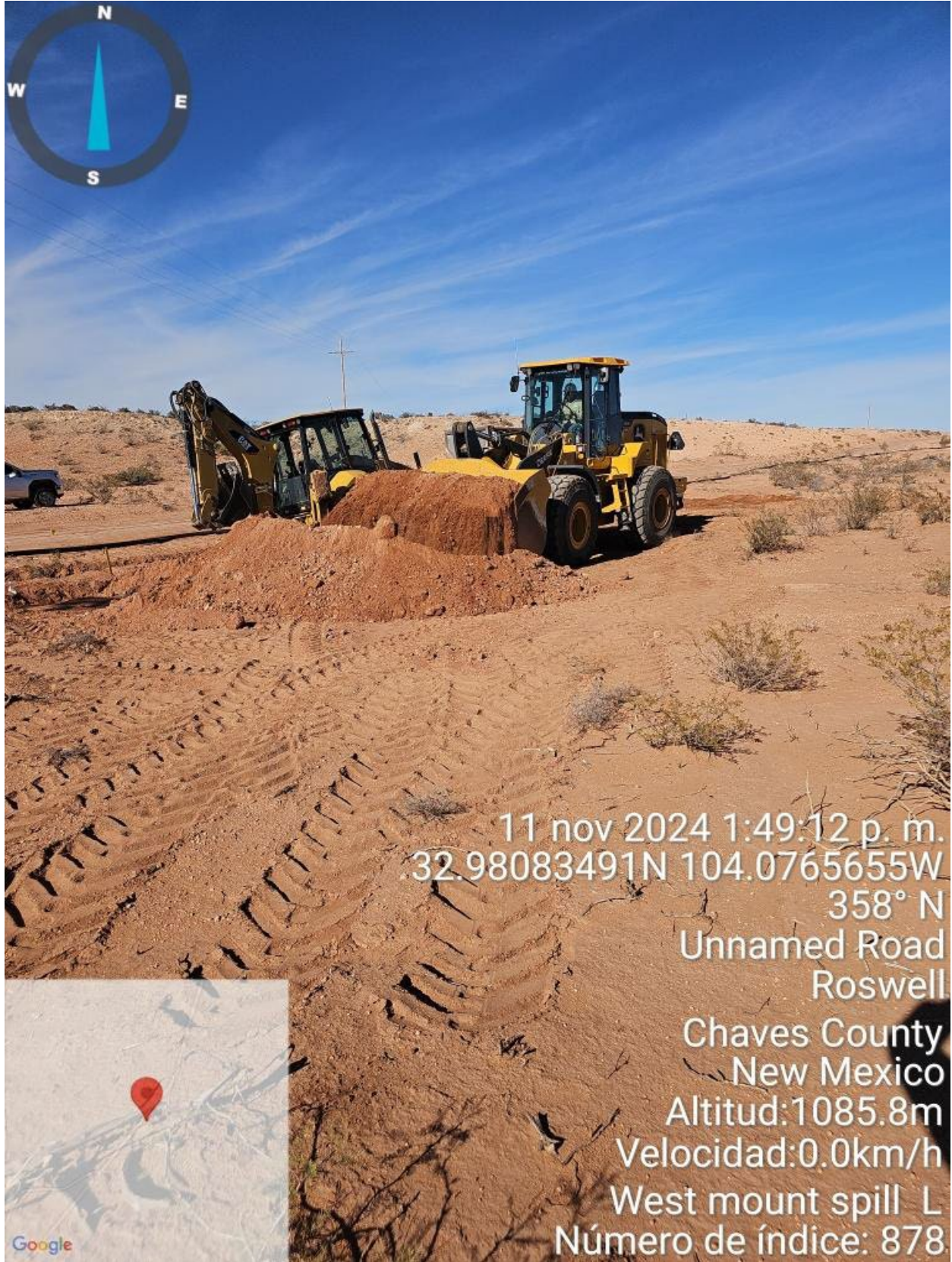
envirotech Inc.

**MACK ENERGY – WEST MOUNT SPILL L REMEDIATION AND FINAL PHOTOS**









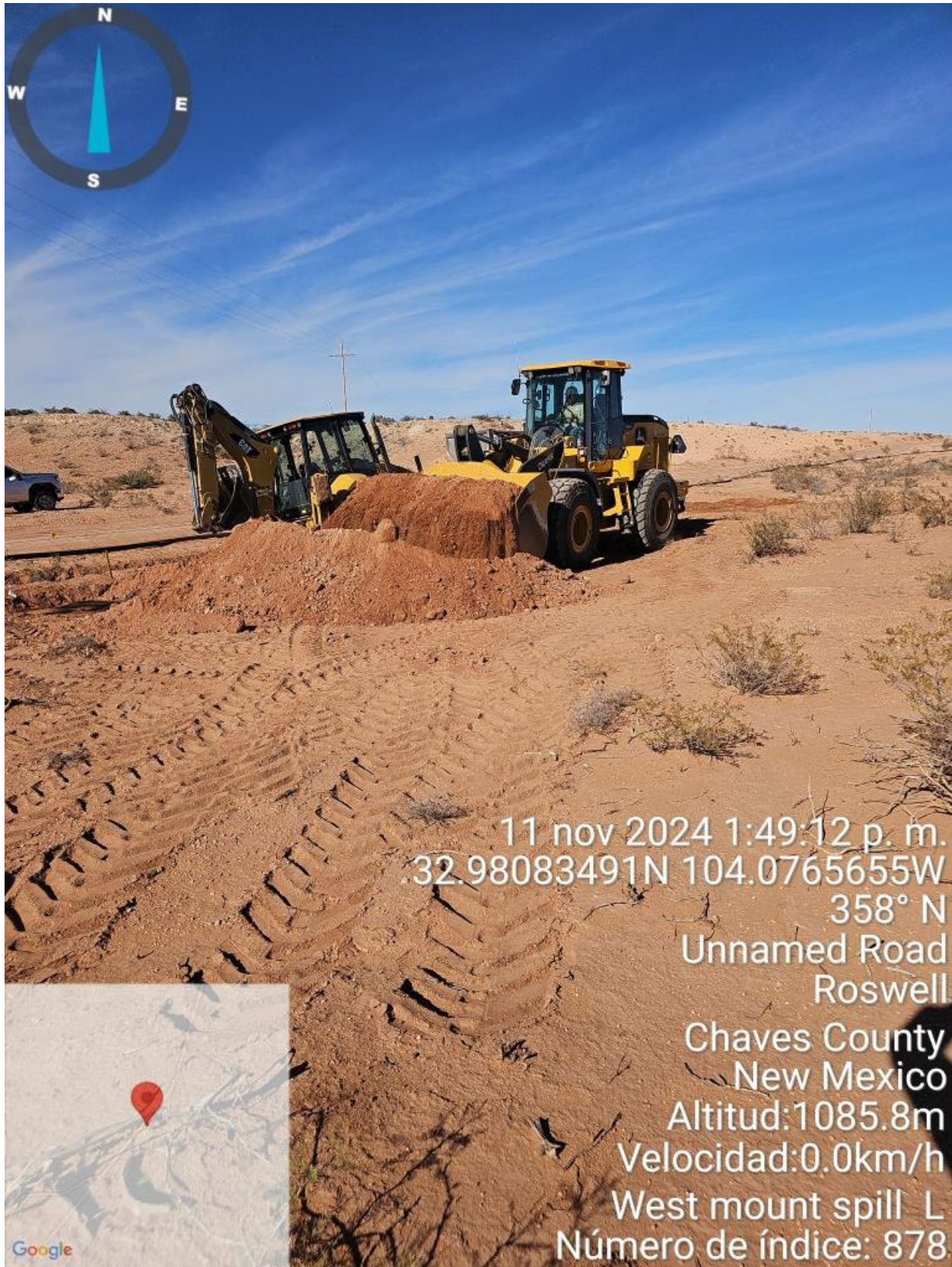


























Tuesday, January 7, 2025  
32.9809° N, 104.0767° W  
Chaves County  
Altitude:3687.8ft  
Speed:1.3mph  
MEC West Mount L topsoil  
Index number:348



Tuesday, January 7, 2025  
32.9811° N, 104.0764° W  
Chaves County  
Altitude:3693.5ft  
Speed:2.6mph  
MEC West Mount Site L topsoil Finished  
Index number:355



**MACK ENERGY CORPORATION  
WEST MOUNT SPILL L  
RECLAMATION EXECUTIVE SUMMARY  
INCIDENT NO. NAPP2329853274**

**API NO. 30-005-64381  
UNIT LETTER G, SECTION 30, TOWNSHIP 15S, RANGE 29E  
CHAVES COUNTY, NEW MEXICO**

## Reclamation Executive Summary

**Subject: Final Reclamation Summary-West Mount Spill L (Incident No. NAPP2329853274)**

**On January 16, 2025 ESS initiated and completed reclamation activities at the West Mount Spill L site following the finalization of remediation efforts for the release that occurred on September 21, 2023 (Incident Number: NAPP2329853274).**

**A total of 24 cubic yards of topsoil was loaded and hauled from Mack Energy's Bogel Pit. The topsoil was evenly spread across the entire 1794 square-foot impacted area. The site was then ripped, contoured, and sloped to match the natural grade. Reseeding was conducted using the Sandy Loam Seed Mix from Curtis and Curtis Seed, which covered the excavation area and disturbed area used for remediation and reclamation efforts consisting of 1794 square-foot in accordance with State Land Office (SLO) Rules and Regulations.**

**A five-point composite was taken from the center of the excavation/backfill area located at 32.980895 -104.076650. Please find the reclamation composite map and confirmed lab analysis attached herein.**

**Final reclamation photos have been included with the Closure Report, which has been uploaded and submitted through the NMOCD Portal. The seed tag associated with the seeding event is also attached for your records.**

**Should you have any questions or require additional information regarding the completed reclamation activities at the West Mount Spill K site for Mack Energy, please feel free to contact me at (575) 390-6397 or (575) 393-9048, or via email at natalie@energystaffingllc.com.**

# MACK ENERGY

WEST MOUNT SPILL L  
BACKFILL COMPOSITE MAP

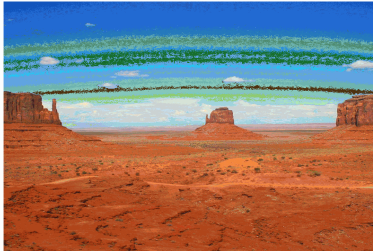
## Legend

-  Mack Energy
-  WEST MOUNT L - BACKFILL COMP 32.980895 -104.076650
-  WEST MOUNT SPILL L





Report to:  
Natalie Gladden



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Mack Energy

Project Name: West Mount Spill L

Work Order: E507335

Job Number: 20046-0001

Received: 7/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/31/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 7/31/25

Natalie Gladden  
7 W. Compress Road  
Artesia, NM 88210

Project Name: West Mount Spill L  
Workorder: E507335  
Date Received: 7/30/2025 8:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/30/2025 8:00:00AM, under the Project Name: West Mount Spill L.

The analytical test results summarized in this report with the Project Name: West Mount Spill L apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/31/25 13:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BACKFILL COMP 1-SURF	E507335-01A	Soil	07/27/25	07/30/25	Glass Jar, 2 oz.



### Sample Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/31/2025 1:07:50PM
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**BACKFILL COMP 1-SURF**  
**E507335-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531080
Benzene	ND	0.0250	1	07/30/25	07/31/25	
Ethylbenzene	ND	0.0250	1	07/30/25	07/31/25	
Toluene	ND	0.0250	1	07/30/25	07/31/25	
o-Xylene	ND	0.0250	1	07/30/25	07/31/25	
p,m-Xylene	ND	0.0500	1	07/30/25	07/31/25	
Total Xylenes	ND	0.0250	1	07/30/25	07/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.8 %	70-130	07/30/25	07/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2531080
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/30/25	07/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.9 %	70-130	07/30/25	07/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2531078
Diesel Range Organics (C10-C28)	ND	25.0	1	07/30/25	07/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/30/25	07/30/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	07/30/25	07/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2531093
Chloride	ND	20.0	1	07/30/25	07/30/25	



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/31/2025 1:07:50PM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2531080-BLK1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

**LCS (2531080-BS1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Benzene	5.46	0.0250	5.00		109	70-130			
Ethylbenzene	5.41	0.0250	5.00		108	70-130			
Toluene	5.43	0.0250	5.00		109	70-130			
o-Xylene	5.38	0.0250	5.00		108	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.3	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

**Matrix Spike (2531080-MS1)**

Source: E507323-14

Prepared: 07/30/25 Analyzed: 07/30/25

Benzene	25.7	0.125	25.0	ND	103	70-130			
Ethylbenzene	25.7	0.125	25.0	0.149	102	70-130			
Toluene	25.6	0.125	25.0	ND	102	70-130			
o-Xylene	25.4	0.125	25.0	0.219	101	70-130			
p,m-Xylene	52.1	0.250	50.0	0.372	103	70-130			
Total Xylenes	77.5	0.125	75.0	0.591	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	43.8		40.0		109	70-130			

**Matrix Spike Dup (2531080-MSD1)**

Source: E507323-14

Prepared: 07/30/25 Analyzed: 07/30/25

Benzene	27.0	0.125	25.0	ND	108	70-130	5.17	27	
Ethylbenzene	26.9	0.125	25.0	0.149	107	70-130	4.81	26	
Toluene	26.9	0.125	25.0	ND	108	70-130	5.00	20	
o-Xylene	26.7	0.125	25.0	0.219	106	70-130	4.93	25	
p,m-Xylene	54.5	0.250	50.0	0.372	108	70-130	4.56	23	
Total Xylenes	81.2	0.125	75.0	0.591	108	70-130	4.68	26	
Surrogate: 4-Bromochlorobenzene-PID	42.8		40.0		107	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/31/2025 1:07:50PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2531080-BLK1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			

**LCS (2531080-BS2)**

Prepared: 07/30/25 Analyzed: 07/30/25

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.16		8.00		102	70-130			

**Matrix Spike (2531080-MS2)**

Source: E507323-14

Prepared: 07/30/25 Analyzed: 07/31/25

Gasoline Range Organics (C6-C10)	312	100	250	ND	125	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	41.0		40.0		103	70-130			

**Matrix Spike Dup (2531080-MSD2)**

Source: E507323-14

Prepared: 07/30/25 Analyzed: 07/30/25

Gasoline Range Organics (C6-C10)	307	100	250	ND	123	70-130	1.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	39.1		40.0		97.7	70-130			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/31/2025 1:07:50PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2531078-BLK1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.4		50.0		105	61-141			

**LCS (2531078-BS1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Diesel Range Organics (C10-C28)	295	25.0	250		118	66-144			
Surrogate: n-Nonane	51.9		50.0		104	61-141			

**Matrix Spike (2531078-MS1)**

Source: E507315-01

Prepared: 07/30/25 Analyzed: 07/30/25

Diesel Range Organics (C10-C28)	316	25.0	250	ND	127	56-156			
Surrogate: n-Nonane	54.9		50.0		110	61-141			

**Matrix Spike Dup (2531078-MSD1)**

Source: E507315-01

Prepared: 07/30/25 Analyzed: 07/30/25

Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	56-156	2.14	20	
Surrogate: n-Nonane	54.3		50.0		109	61-141			



### QC Summary Data

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 7/31/2025 1:07:50PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2531093-BLK1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Chloride	ND	20.0							
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**LCS (2531093-BS1)**

Prepared: 07/30/25 Analyzed: 07/30/25

Chloride	249	20.0	250		99.7	90-110			
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**Matrix Spike (2531093-MS1)**

Source: E507318-05

Prepared: 07/30/25 Analyzed: 07/30/25

Chloride	6360	100	250	5990	148	80-120			M4
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**Matrix Spike Dup (2531093-MSD1)**

Source: E507318-05

Prepared: 07/30/25 Analyzed: 07/30/25

Chloride	6370	100	250	5990	151	80-120	0.122	20	M4
----------	------	-----	-----	------	-----	--------	-------	----	----

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Mack Energy 7 W. Compress Road Artesia NM, 88210	Project Name: West Mount Spill L Project Number: 20046-0001 Project Manager: Natalie Gladden	<b>Reported:</b> 07/31/25 13:07
--	--	------------------------------------

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Envirotech Analytical Laboratory

Printed: 7/30/2025 9:35:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Mack Energy Date Received: 07/30/25 08:00 Work Order ID: E507335
Phone: (575) 390-6397 Date Logged In: 07/29/25 14:04 Logged In By: Caitlin Mars
Email: Natalie@energystaffingllc.com Due Date: 07/31/25 17:00 (1 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Project manager and time sampled not provided on COC.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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**Santa Fe, NM 87505**

QUESTIONS

Action 565118

**QUESTIONS**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2329853274
Incident Name	NAPP2329853274 WEST MOUNT SPILL L @ 30-005-64381
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-005-64381] WESTMOUNT FEDERAL COM #001H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	WEST MOUNT SPILL L
Date Release Discovered	09/22/2023
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error   Flow Line - Production   Produced Water   Released: 6 BBL   Recovered: 0 BBL   Lost: 6 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 03/20/2026
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QUESTIONS, Page 3

Action 565118

**QUESTIONS (continued)**

Operator:  MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID:  13837
	Action Number:  565118
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	56.4
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	11/11/2024
On what date will (or did) the final sampling or liner inspection occur	12/13/2024
On what date will (or was) the remediation complete(d)	12/17/2024
What is the estimated surface area (in square feet) that will be reclaimed	1794
What is the estimated volume (in cubic yards) that will be reclaimed	24
What is the estimated surface area (in square feet) that will be remediated	1794
What is the estimated volume (in cubic yards) that will be remediated	72

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112338393 GANDY MARLEY LANDFARM/LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 03/20/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>405961</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>11/26/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>18</b>
What was the sampling surface area in square feet	<b>1680</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1794
What was the total volume (cubic yards) remediated	72
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1794
What was the total volume (in cubic yards) reclaimed	24
Summarize any additional remediation activities not included by answers (above)	The comp resp for the release Flat Line had scrapped up the cont. soil before Mack was notified. Soil was immed put on plastic. Sampling showed no contaminated soil was in the spill area.

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

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

I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 03/20/2026
--	---

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QUESTIONS, Page 7

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	1794
What was the total volume of replacement material (in cubic yards) for this site	24
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	01/06/2025
Summarize any additional reclamation activities not included by answers (above)	Only 24 cubic yards of clean topsoil was brought in the rest of the soil surrounding the release was used to contour with natural soil.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Natalie Gladden Title: Environmental Email: natalie@energystaffingllc.com Date: 03/20/2026

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QUESTIONS, Page 8

Action 565118

**QUESTIONS (continued)**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 565118

**CONDITIONS**

Operator: MACK ENERGY CORP P.O. Box 960 Artesia, NM 882110960	OGRID: 13837
	Action Number: 565118
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your reclamation/remediation closure report for Incident #nAPP2329853274 WEST MOUNT SPILL L, thank you. The reclamation/remediation closure report is approved.	3/23/2026