



## SITE INFORMATION

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**Work Plan**  
**Denton 5 SWD**  
**Lea County, New Mexico**  
**Unit N Sec 02 T15S R37E**  
**33.041141°, -103.173094°**

**Incident Number: NPAC0614540738**  
**Produced Water Release**  
**Point of Release: Tank overflow due to pump failure**  
**Release Date: 05/23/2006**  
**Volume Released: 125 barrels of Produced Water**  
**Volume Recovered: 80 barrels of Produced Water**

**Incident Number: NPAC0730337383**  
**Crude Oil Release**  
**Point of Release: Tank overflow**  
**Release Date: 10/22/2007**  
**Volume Released: 20 barrels of Produced Water**  
**Volume Recovered: 15 barrels of Produced Water**

**CARMONA RESOURCES**



**Incident Number: nGL0916227517**  
**Crude Oil Release**  
**Point of Release: Lighting Strike**  
**Release Date: 05/31/2009**  
**Volume Released: 50 barrels of Crude Oil**  
**Volume Recovered: 0 barrels of Crude Oil**

**Prepared for:**  
**Fasken Oil and Ranch, Ltd**  
**6101 Holiday Hill Road,**  
**Midland, Texas 79707**

**Prepared by:**  
**Carmona Resources, LLC**  
**310 West Wall Street**  
**Suite 500**  
**Midland, Texas 79701**

## TABLE OF CONTENTS

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### 1.0 SITE INFORMATION AND BACKGROUND

### 2.0 SITE CHARACTERIZATION AND GROUNDWATER

### 3.0 NMAC REGULATORY CRITERIA

### 4.0 SITE ASSESSMENT ACTIVITIES

### 5.0 PROPOSED WORK PLAN

### 6.0 CONCLUSIONS

### FIGURES

FIGURE 1      OVERVIEW      FIGURE 2      TOPOGRAPHIC

FIGURE 3      SAMPLE LOCATION      FIGURE 4      PROPOSED EXCAVATION

### APPENDICES

APPENDIX A      TABLE

APPENDIX B      PHOTOS

APPENDIX C      INITIAL C-141 AND REMEDIATION PLAN

APPENDIX D      SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX E      LABORATORY REPORTS

March 2, 2023

New Mexico Oil Conservation Division  
1220 South St, Francis Drive  
Santa Fe, NM 87505

**Re: Work Plan  
Denton 5 SWD  
Fasken Oil and Ranch, Ltd  
Site Location: Unit N, S02, T15S, R37E  
(Lat 33.041141°, Long -103.173094°)  
Lea County, New Mexico**

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd (Fasken), Carmona Resources, LLC has prepared this letter to document the Denton 5 SWD site activities. The site is located at 33.041141°, -103.173094° within Unit N, S02, T15S, R37E, in Lea County, New Mexico (Figures 1 and 2).

### **1.0 Site Information and Background**

#### **NPAC0614540738**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 23, 2006, due to pump failure causing a tank to overflow. It resulted in the release of approximately one hundred and twenty-five (125) barrels of produced water, and eighty (80) barrels of produced water were recovered. See figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

#### **NPAC0730337383**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered due to a tank overflow on October 22, 2007. It resulted in the release of approximately twenty (20) barrels of crude oil, and fifteen (15) barrels of crude oil were recovered. See figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

#### **nGL0916227517**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 3, 2009, due to a lightning strike. It resulted in the release of approximately fifty (50) barrels of crude oil, and zero (0) barrels of crude oil were recovered. See figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is located within a 0.50-mile radius of the location and drilled within 25 years. It is approximately 0.26 miles from the site in S02, T15S, R37E and was drilled in 1997. The well has a reported depth to groundwater of 84.0' feet below the ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.



### **3.0 NMAC Regulatory Criteria**

Per the NMOCD regulatory criteria established 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000mg/kg.

### **4.0 Site Assessment Activities**

On September 29, 2022, Fasken performed site assessment activities to evaluate soil impacts stemming from the multiple releases. A total of six (6) backhoe samples (BH-1 through BH-6) and four (4) horizontal sample points (North, South, East, and West) and a background sample (BG) were installed to depths ranging from the surface – 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

All initial samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

### **5.0 Proposed Work Plan**

Based on the analytical data and the detected chloride concentrations, Fasken proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1 per NMAC 19.15.29.13 reclamation standards.

- The areas of BH-1, BH-2, and BH-3 will be excavated to 4.0' below the surface to address the reclamation and vegetation requirements. The area will then be backfilled with clean material to grade.
- The areas of BH-4, BH-5, and BH-6 will be excavated to a depth of 1.0' below the surface and backfilled with clean material to grade.
- An estimated 4,600 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- Fasken requests a variance per 19.15.29.14.A NMAC collecting composite sidewall and floor samples every 500 square feet.
- Once the site activities and excavation is complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.



## **6.0 Conclusions**

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

**Carmona Resources, LLC**

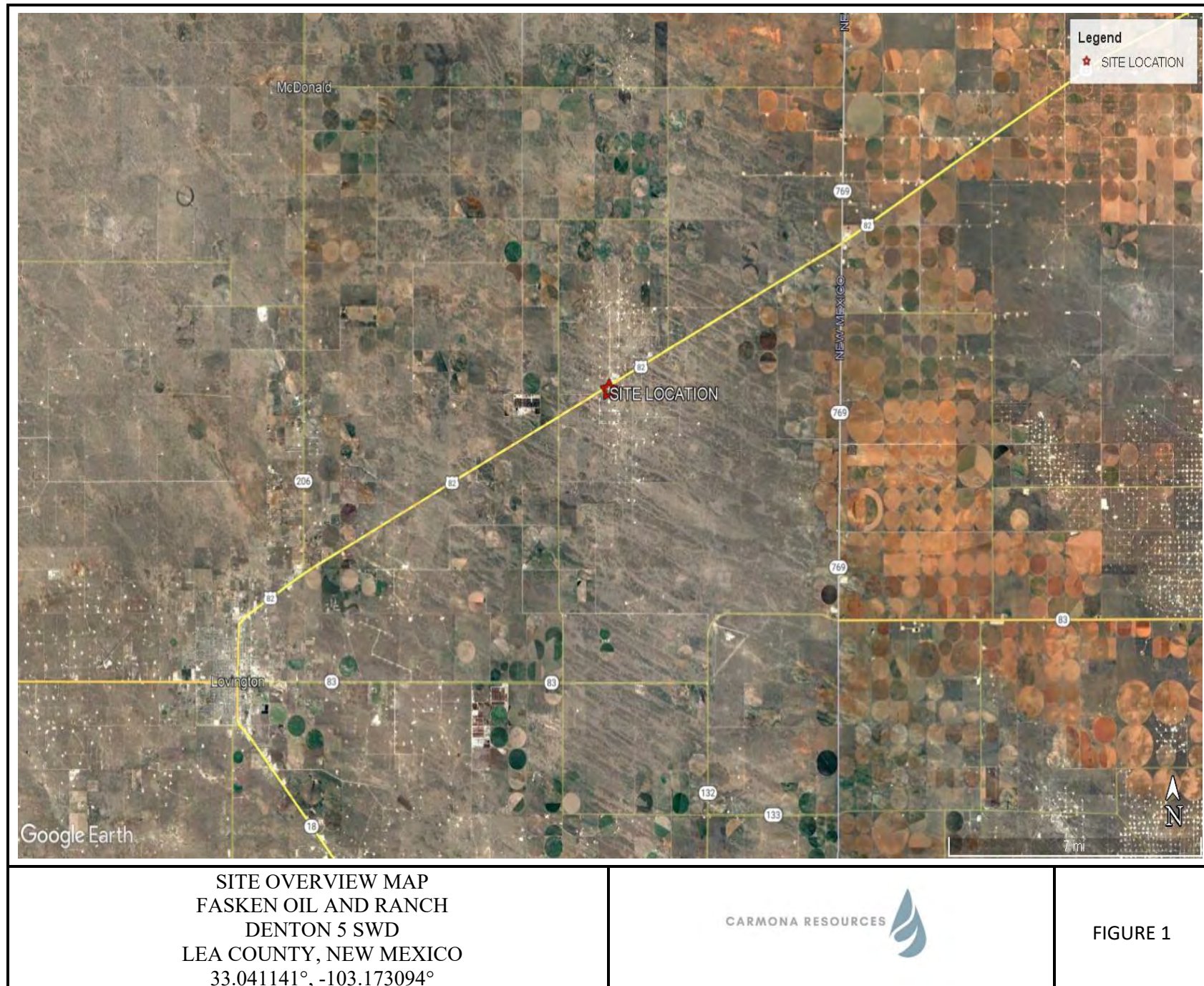
Mike Carmona  
Environmental Manager

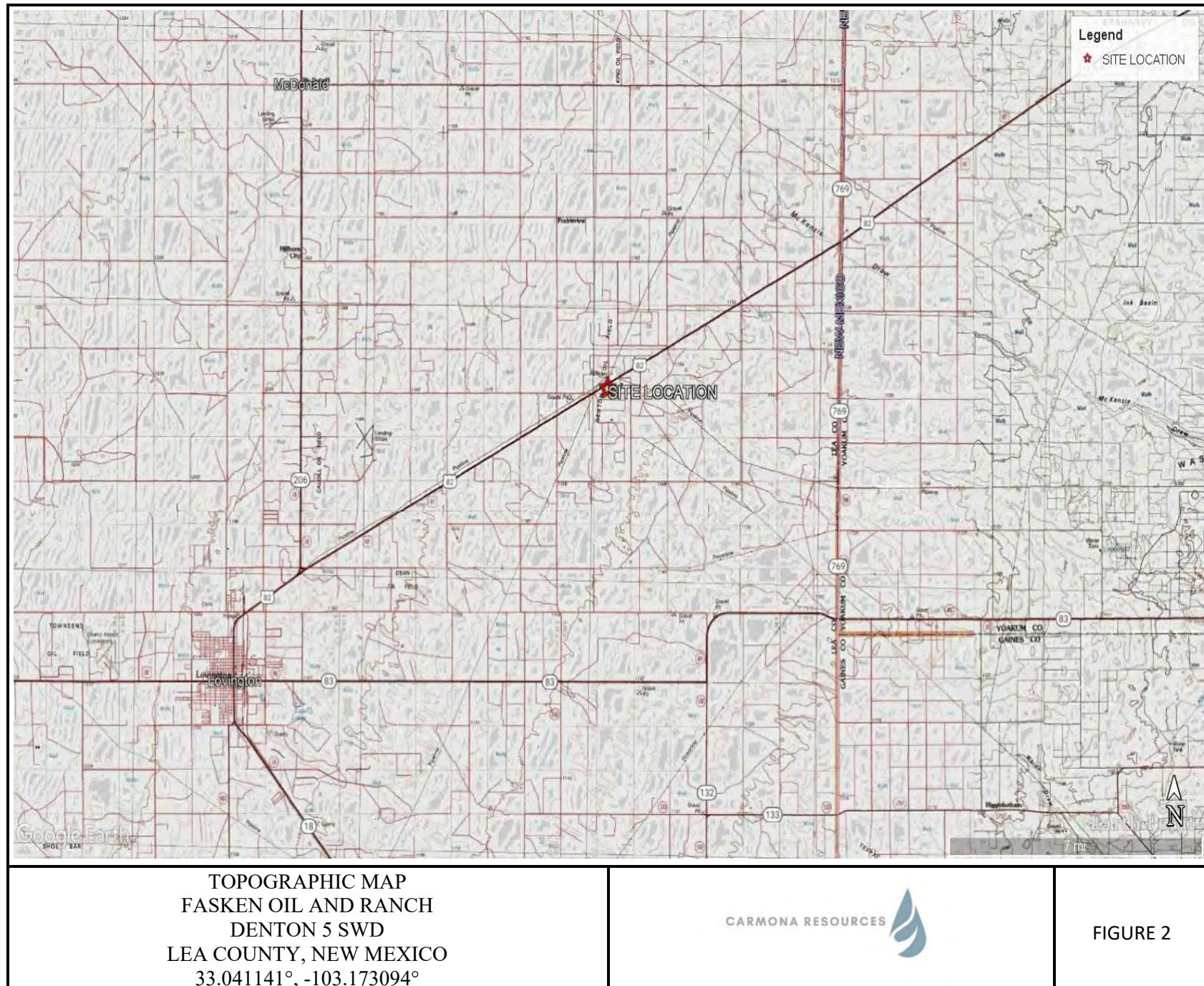
Ashton Thielke  
Sr Project Manager

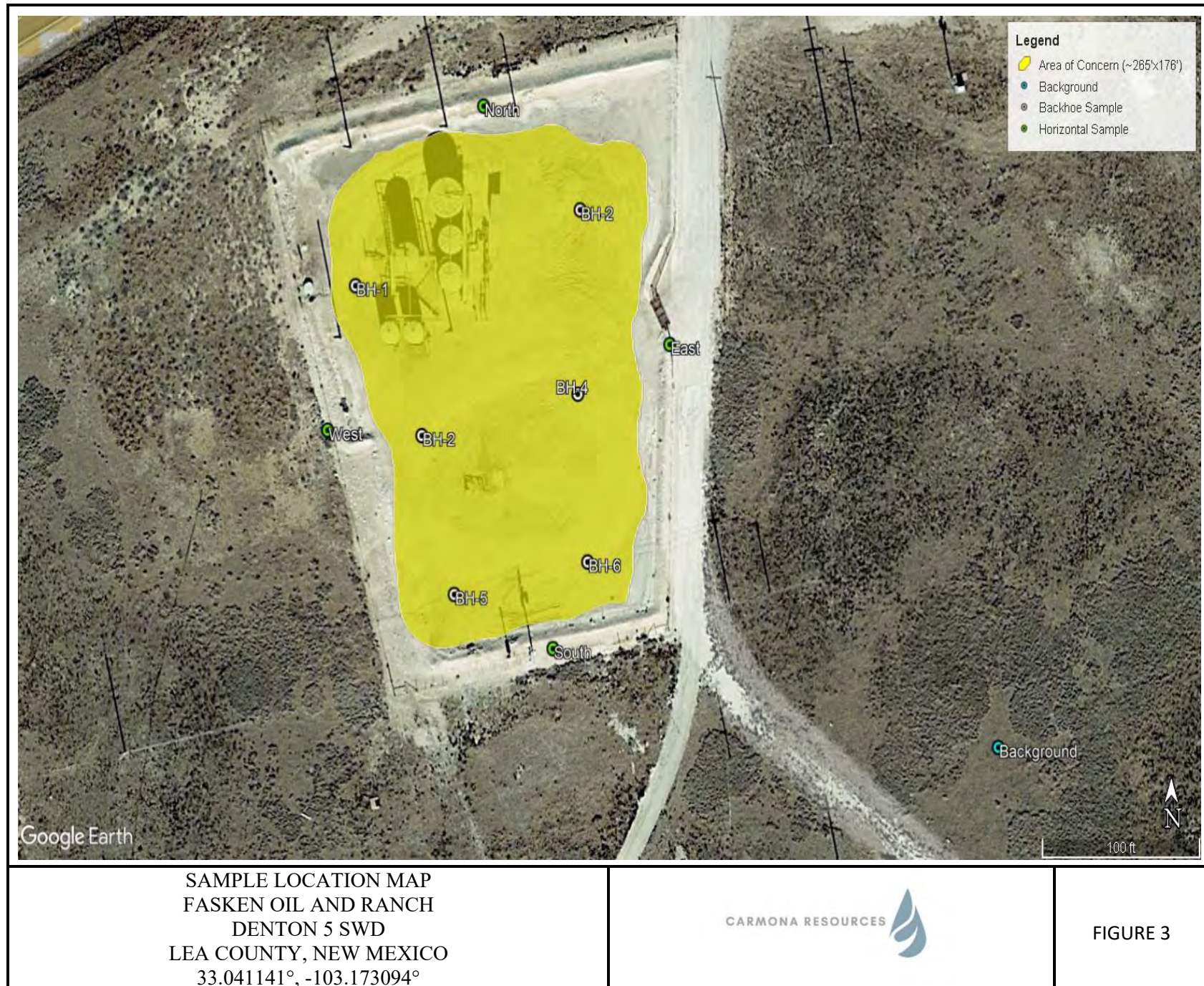
## FIGURES

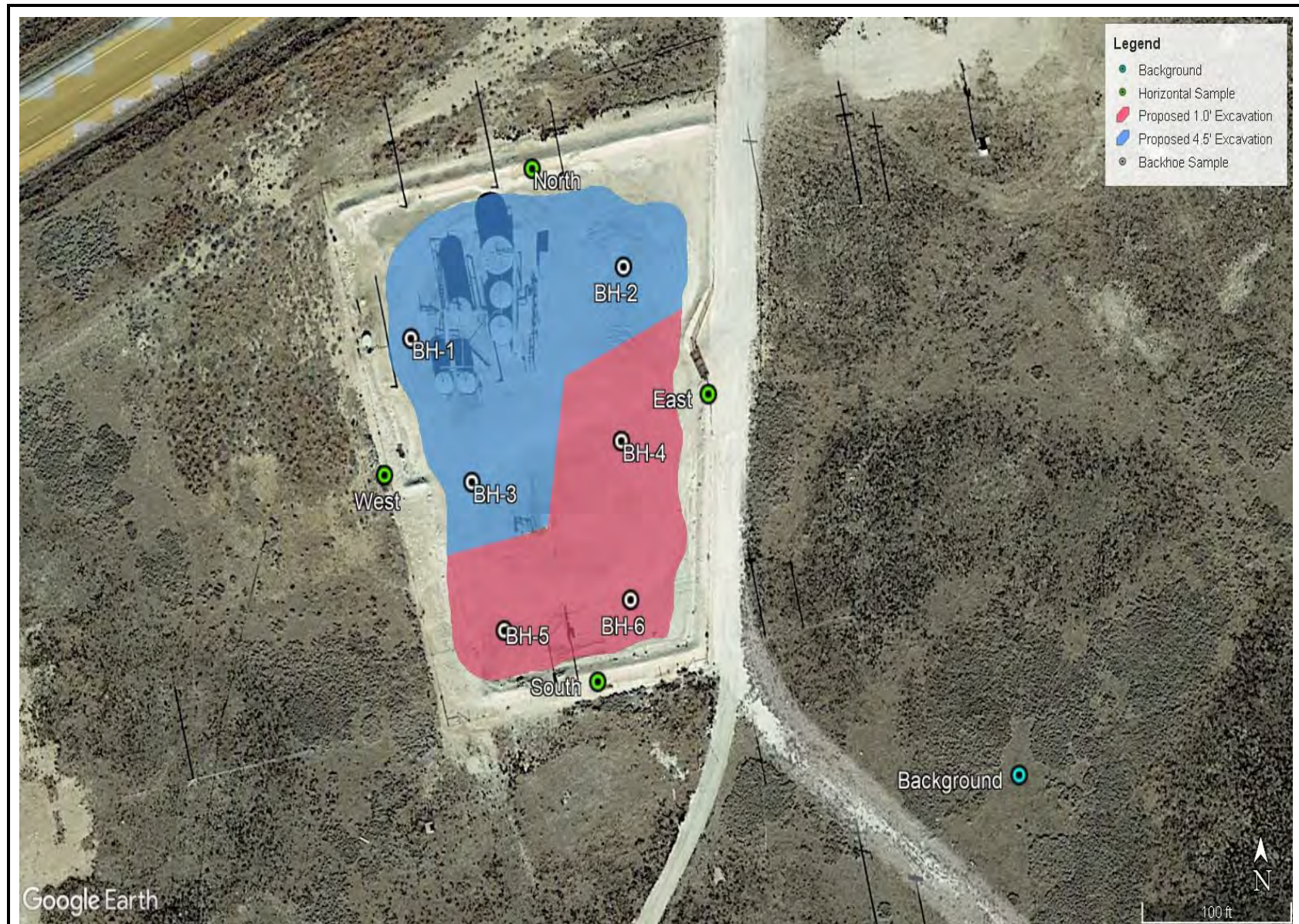
CARMONA RESOURCES











PROPOSED EXCAVATION MAP  
FASKEN OIL AND RANCH  
DENTON 5 SWD  
LEA COUNTY, NEW MEXICO  
33.041141°, -103.173094°



FIGURE 4

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**Fasken Oil and Ranch**  
**Denton 5 SWD**  
**Lea County, New Mexico**

| Sample ID                        | Date      | Depth (ft) | TPH (mg/kg) |       |       |             | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|----------------------------------|-----------|------------|-------------|-------|-------|-------------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                                  |           |            | GRO         | DRO   | MRO   | Total       |                 |                 |                      |                |                    |                  |
| BH-1                             | 9/29/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 1,570            |
|                                  | "         | 1.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 1,180            |
|                                  | "         | 2.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,260            |
|                                  | "         | 3.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 1,750            |
|                                  | "         | 4.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 2,280            |
| BH-2                             | 9/29/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00202        | <0.00202        | <0.00202             | <0.00403       | <0.00403           | 3,080            |
|                                  | "         | 1.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 454              |
|                                  | "         | 2.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 464              |
|                                  | "         | 3.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 733              |
|                                  | "         | 4.0        | <49.8       | <49.8 | <49.8 | <49.8       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 761              |
| BH-3                             | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 4,020            |
|                                  | "         | 1.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,640            |
|                                  | "         | 2.0        | <49.9       | 226   | <49.9 | 226         | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 1,200            |
|                                  | "         | 3.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 2,580            |
|                                  | "         | 4.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 1,630            |
| BH-4                             | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 2,440            |
|                                  | "         | 1.0        | <50.0       | 52.7  | <50.0 | 52.7        | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 354              |
|                                  | "         | 2.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 304              |
|                                  | "         | 3.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 316              |
|                                  | "         | 4.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 518              |
| BH-5                             | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 1,660            |
|                                  | "         | 1.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00396       | <0.00396           | 337              |
|                                  | "         | 2.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 438              |
|                                  | "         | 3.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 442              |
|                                  | "         | 4.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 572              |
| BH-6                             | 9/29/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 3,080            |
|                                  | "         | 1.0        | <49.9       | 109   | <49.9 | 109         | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 293              |
|                                  | "         | 2.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 435              |
|                                  | "         | 3.0        | <49.9       | <49.9 | <49.9 | <49.9       | <0.00200        | <0.00200        | <0.00200             | <0.00401       | <0.00401           | 255              |
|                                  | "         | 4.0        | <50.0       | <50.0 | <50.0 | <50.0       | <0.00201        | <0.00201        | <0.00201             | <0.00402       | <0.00402           | 322              |
| NORTH                            | 9/29/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00198        | <0.00198        | <0.00198             | <0.00396       | <0.00396           | 251              |
| SOUTH                            | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00202        | <0.00202        | <0.00202             | <0.00404       | <0.00404           | 88.5             |
| EAST                             | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 437              |
| WEST                             | 9/29/2022 | 0-0.5      | <49.9       | <49.9 | <49.9 | <49.9       | <0.00199        | <0.00199        | <0.00199             | <0.00398       | <0.00398           | 31.2             |
| BACKGROUND                       | 9/29/2022 | 0-0.5      | <50.0       | <50.0 | <50.0 | <50.0       | <0.00200        | <0.00200        | <0.00200             | <0.00399       | <0.00399           | 15.1             |
| Regulatory Criteria <sup>A</sup> |           |            | 1,000 mg/kg |       |       | 2,500 mg/kg | 10 mg/kg        | -               | -                    | -              | 50 mg/kg           | 10,000 mg/kg     |

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(BH) - Backhoe

Proposed Excavation

## APPENDIX B

CARMONA RESOURCES



## PHOTOGRAPHIC LOG

### Fasken Oil and Ranch

#### Photograph No. 1

**Facility:** Denton 5 SWD

**County:** Eddy County, New Mexico

**Description:**

View of the pad, area of backhoe samples (1-6).



#### Photograph No. 2

**Facility:** Denton 5 SWD

**County:** Eddy County, New Mexico

**Description:**

View of the pad, area of backhoe samples (1-6).



#### Photograph No. 3

**Facility:** Denton 5 SWD

**County:** Eddy County, New Mexico

**Description:**

View of the pad, area of backhoe samples (1-6).



## APPENDIX C

CARMONA RESOURCES



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

|                                                |                            |
|------------------------------------------------|----------------------------|
| Name of Company Americo Energy                 | Contact Oscar Nosrati      |
| Address 10940 Old Katy Road, Houston, TX 77043 | Telephone No. 713-984-9700 |
| Facility Name Denton SWD #5 Release            | Facility Type SWD          |

|                     |                     |           |
|---------------------|---------------------|-----------|
| Surface Owner State | Mineral Owner State | Lease No. |
|---------------------|---------------------|-----------|

### LOCATION OF RELEASE

API# 30025 05226 0000

|                  |              |                 |              |               |                  |               |                |               |
|------------------|--------------|-----------------|--------------|---------------|------------------|---------------|----------------|---------------|
| Unit Letter<br>N | Section<br>2 | Township<br>15S | Range<br>37E | Feet from the | North/South Line | Feet from the | East/West Line | County<br>Lea |
|------------------|--------------|-----------------|--------------|---------------|------------------|---------------|----------------|---------------|

41'

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### NATURE OF RELEASE

|                                                                                                        |                                           |                                       |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|
| Type of Release: Produced Fluids                                                                       | Volume of Release: 125 bbls               | Volume Recovered: 80 bbls             |
| Source of Release: Overflow from transfer pump failure                                                 | Date and Hour of Occurrence<br>5/23/06    | Date and Hour of Discovery<br>5/23/06 |
| Was Immediate Notice Given?<br>X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Pat Caperton             |                                       |
| By Whom?                                                                                               | Date and Hour                             |                                       |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes X No                                        | If YES, Volume Impacting the Watercourse. |                                       |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Tank overflow due to transfer pump failure

Describe Area Affected and Cleanup Action Taken.\*

A vacuum truck was called in to recover standing fluid. SESI was called to assess cleanup.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                                    |                         |                                  |                                   |
|------------------------------------|-------------------------|----------------------------------|-----------------------------------|
| Signature:                         |                         | <b>OIL CONSERVATION DIVISION</b> |                                   |
| Printed Name: Bob Allen            |                         | Approved by District Supervisor: |                                   |
| Title: Consultant                  | Approval Date:          | Expiration Date:                 |                                   |
| E-mail Address: ballen@sesi-nm.com | Conditions of Approval: |                                  | Attached <input type="checkbox"/> |
| Date 5/23/06                       | Phone: 505-397-0510     |                                  |                                   |

\* Attach Additional Sheets If Necessary

incident - nPAC06 14540738  
application - nPAC06 14540876

OCD Permitting

Home    Searches    Incidents    Incident Details

NPAC0730337383 2007 MINOR A OS @ 30-025-05226

General Incident Information

Site Name:

Well: [30-025-05226] DENTON SWD #005

Facility:

Operator: [151416] FASKEN OIL & RANCH LTD

Status: Closure Not Approved

Type: Oil Release

District: Hobbs

Severity: Minor

Surface Owner: State

County: Lea (25)

Incident Location: N-02-15S-37E    660 FSL    1980 FWL

Lat/Long: 33.0410194,-103.1731262 NAD83

Directions:

Notes

Source of Referral: Industry Rep

Action / Escalation:

Resulted In Fire: ☐

Will or Has Reached Watercourse: ☐

Endangered Public Health: ☐

Property Or Environmental Damage: ☐

Fresh Water Contamination: ☐

Contact Details

Contact Name:

Contact Title:

Event Dates

Date of Discovery: 10/22/2007

OCD Notified of Release:

Extension Date: 11/15/2018

Cancelled Date:

Initial C-141 Received:

Characterization Report Approved:

Characterization Report Received:

Remediation Plan Approved:

Remediation Plan Received:

Remediation Due:

Closure Report Received:

Closure Report Approved:

- Quick Links
- General Incident Informati
  - Materials
  - Events
  - Orders
- Associated Images
- Incident Files (0)
  - Well Files (91)
- New Searches
- New Facility Search
  - New Incident Search
  - New Operator Search
  - New Pit Search
  - New Spill Search
  - New Tank Search
  - New Well Search

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incidents Materials

| Cause | Source      | Material  | Volume                   |          |           |      | Units |
|-------|-------------|-----------|--------------------------|----------|-----------|------|-------|
|       |             |           | Unk.                     | Released | Recovered | Lost |       |
| Other | Tank ( Any) | Crude Oil | <input type="checkbox"/> | 20       | 15        | 5    | BBL   |

Incident Events

| Date       | Detail                                                                |
|------------|-----------------------------------------------------------------------|
| 10/30/2007 | C-141: slug into disposal system caused skimmed oil tank to run over. |

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012  
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

## District I

1625 N French Dr, Hobbs, NM 88240

## District II

1301 W Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Road, Aztec, NM 87410

## District IV

1220 S St Francis Dr, Santa Fe, NM 87505

**RECEIVED**

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

Form C-141

Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action****OPERATOR**☒ Initial Report ☒ Final Report

|                                              |                            |
|----------------------------------------------|----------------------------|
| Name of Company Fasken Oil and Ranch, Ltd.   | Contact Jimmy D. Carlile   |
| Address 303 W. Wall, Ste. 31800, Midland, TX | Telephone No. 432-687-1777 |
| Facility Name Denton SWD No. 5               | Facility Type SWD Battery  |
| Surface Owner State of New Mexico            | Mineral Owner Fee          |
|                                              | Lease No. 303195           |

**LOCATION OF RELEASE**

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| N           | 2       | 15S      | 37E   | 660'          | South            | 1980'         | West           | Lea    |

API No. 30-025-05226

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

|                                                                                                                                          |                                                                                      |                            |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|
| Type of Release Oil                                                                                                                      | Volume of Release 50                                                                 | Volume Recovered 0         |
| Source of Release Gun Barrel                                                                                                             | Date and Hour of Occurrence                                                          | Date and Hour of Discovery |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? 5/31/09 8:00pm 5/31/09 8 pm<br>Mark - on call representative at OCD |                            |
| By Whom? Jimmy D. Carlile                                                                                                                | Date and Hour 5/31/09 9:00 pm MST                                                    |                            |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                        | If YES, Volume Impacting the Watercourse.                                            |                            |

If a Watercourse was Impacted, Describe Fully.\*

N/A

Describe Cause of Problem and Remedial Action Taken.\*

Lightening hit gun barrel blowing roof off and causing a fire. Local fire department was called and responded. Gun barrel taken out of service. 50 barrels of crude burned in the vessel.

Describe Area Affected and Cleanup Action Taken.\*

No surface area affected. Rain water and water used by fire department removed via vacuum truck.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

**OIL CONSERVATION DIVISION**Signature *Jimmy D. Carlile*

Printed Name: Jimmy D. Carlile

Title: Regulatory Affairs Coordinator

E-mail Address: jimmyc@forl.com

Date: 6-4-09

Phone: 432-687-1777

DENIED ENV ENGR  
Approved by District Supervisor

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

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

Conditions of Approval: DENY AND  
SUBMIT WORKPLAN FOR  
APPROVAL BY NMOCD.

Attached ☐

IRP-09-6-2197

\* Attach Additional Sheets If Necessary

AGRL 0916227018

**DENIED**

06/08/09  
*Jeffrey LeKing*  
NMOCD-HUBBS

|                |  |
|----------------|--|
| Incident ID    |  |
| District RP    |  |
| Facility ID    |  |
| Application ID |  |

## Site Assessment/Characterization

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

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

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

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

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

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

Form C-141

State of New Mexico  
Oil Conservation Division

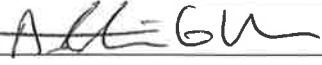
Page 4

|                |                                              |
|----------------|----------------------------------------------|
| Incident ID    | nPAC0614540738/nPAC0730337383/nGRL0916227517 |
| District RP    |                                              |
| Facility ID    |                                              |
| Application ID |                                              |

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

Printed Name: Addison Guelker

Title: Environmental Tech

Signature: 

Date: 03/03/23

email: addisong@forl.com

Telephone: 432-687-1777

**OCD Only**

Received by: Jocelyn Harimon

Date: 03/03/2023

Form C-141

State of New Mexico  
Oil Conservation Division

Page 5

|                |                                              |
|----------------|----------------------------------------------|
| Incident ID    | nPAC0614540738/nPAC073033/383/nGRL0916227517 |
| District RP    |                                              |
| Facility ID    |                                              |
| Application ID |                                              |

**Remediation Plan****Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Addison Guelker

Title: Environmental Tech

Signature: 

Date: 3/3/23

email: addisong@forl.com

Telephone: 432-687-1777

**OCD Only**

Received by: Jocelyn Harimon

Date: 03/03/2023

☐ Approved☒ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: 

Date: 3/7/2023

## APPENDIX D

CARMONA RESOURCES



**Nearest water well**

Fasken Oil and Ranch

**Legend**

- 0.26 Miles
- 0.50 Mile Radius
- Denton 5 SWD
- NMSEO Water Well

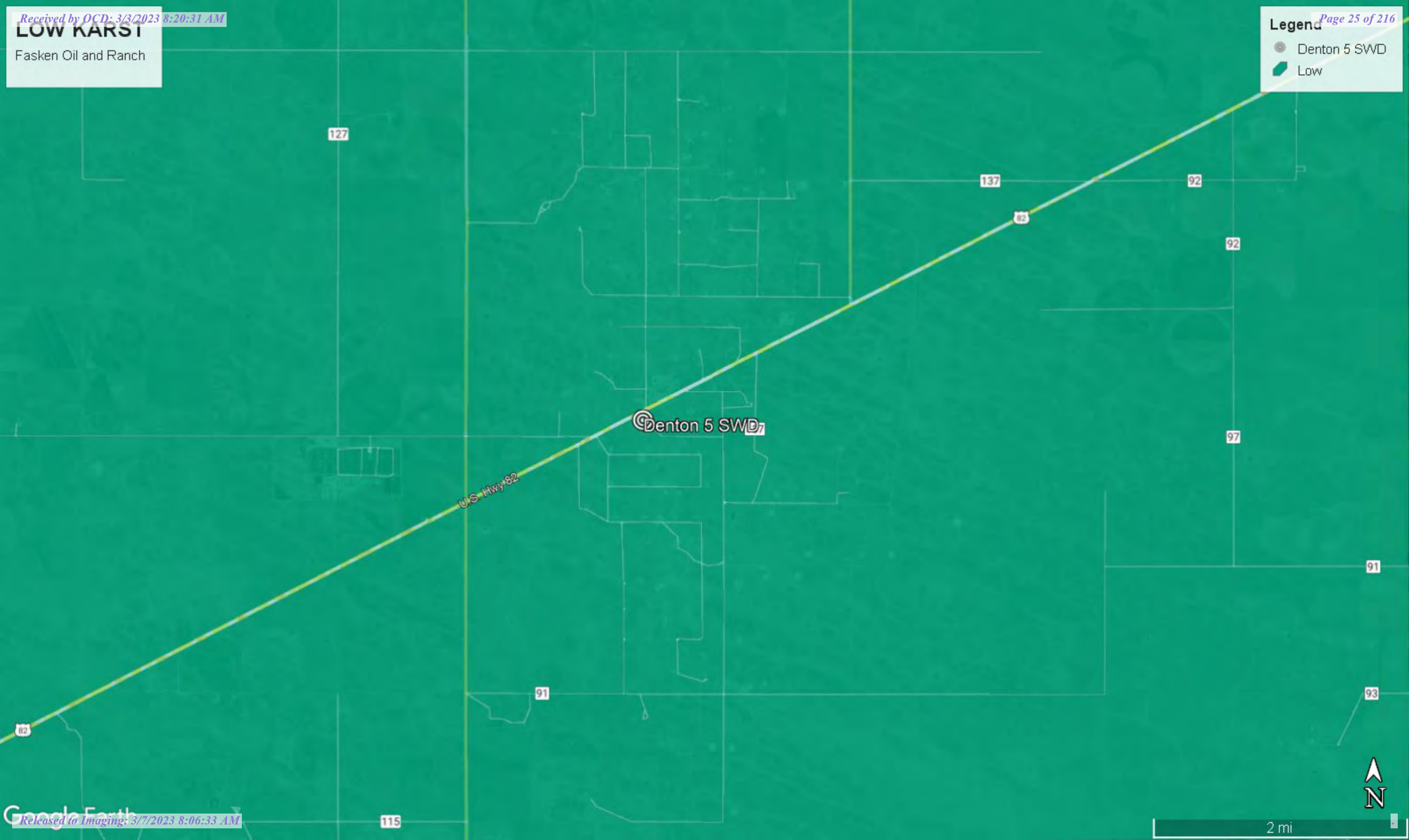


LOW KARST

Fasken Oil and Ranch

Legend

- Denton 5 SWD
- Low





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD                                 |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
|-------------------------------------|------|-------|--------|----|----|----|-----|-----|-----|--------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------|-------|
| Sub-                                |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| Q Q Q                               |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| Q 64 16 4                           |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| Sec Tws Rng                         |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| X Y                                 |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| Depth Well Depth Water Water Column |      |       |        |    |    |    |     |     |     |        |          |                                                                                       |                                                                                       |         |       |
| POD Number                          | Code | basin | County | 64 | 16 | 4  | Sec | Tws | Rng | X      | Y        | Well                                                                                  | Water                                                                                 | Column  |       |
| <a href="#">L 00058</a>             |      | L     | LE     |    |    | 2  | 10  | 15S | 37E | 669598 | 3656694* |    | 112                                                                                   |         |       |
| <a href="#">L 00059</a>             |      | L     | LE     | 3  | 1  | 3  | 10  | 15S | 37E | 668503 | 3655575  |    | 100                                                                                   |         |       |
| <a href="#">L 00059 S</a>           |      | L     | LE     | 3  | 3  | 10 | 15S | 37E | 37E | 668604 | 3655676  |    | 150                                                                                   | 49 101  |       |
| <a href="#">L 00064</a>             |      | L     | LE     |    |    | 3  | 22  | 15S | 37E | 668864 | 3652657* |    | 105                                                                                   |         |       |
| <a href="#">L 00064</a>             | R    | L     | LE     |    |    | 3  | 22  | 15S | 37E | 668864 | 3652657* |    | 105                                                                                   |         |       |
| <a href="#">L 00165</a>             |      | L     | LE     | 1  | 1  | 1  | 27  | 15S | 37E | 668569 | 3652153* |    | 126                                                                                   | 50 76   |       |
| <a href="#">L 00165 POD2</a>        |      | L     | LE     | 2  | 1  | 27 | 15S | 37E | 37E | 669074 | 3652060* |    | 224                                                                                   | 95 129  |       |
| <a href="#">L 00168</a>             |      | L     | LE     | 1  | 1  | 3  | 19  | 15S | 37E | 663722 | 3652882  |    | 150                                                                                   | 60 90   |       |
| <a href="#">L 00185</a>             |      | L     | LE     | 3  | 3  | 1  | 27  | 15S | 37E | 668577 | 3651550* |    | 111                                                                                   | 68 43   |       |
| <a href="#">L 00216 POD2</a>        | R    | L     | LE     | 3  | 2  | 3  | 06  | 15S | 37E | 664037 | 3657516* |  | 112                                                                                   |         |       |
| <a href="#">L 00216 POD3</a>        | R    | L     | LE     |    |    |    | 07  | 15S | 37E | 664379 | 3656202* |  | 117                                                                                   | 96 21   |       |
| <a href="#">L 00216 POD4</a>        |      | L     | LE     | 3  | 2  | 3  | 06  | 15S | 37E | 663597 | 3657023  |  | 207                                                                                   | 120 87  |       |
| <a href="#">L 00222</a>             |      | L     | LE     | 1  | 3  | 1  | 22  | 15S | 37E | 668547 | 3653360* |  | 125                                                                                   | 80 45   |       |
| <a href="#">L 00222 S</a>           |      | L     | LE     | 3  | 1  | 3  | 22  | 15S | 37E | 668555 | 3652758* |  | 125                                                                                   | 80 45   |       |
| <a href="#">L 00232</a>             |      | L     | LE     | 1  | 3  | 4  | 34  | 15S | 37E | 669428 | 3649347* |  | 122                                                                                   |         |       |
| <a href="#">L 00284</a>             |      | L     | LE     | 1  | 2  | 3  | 17  | 15S | 37E | 665704 | 3654524* |  | 193                                                                                   | 79 114  |       |
| <a href="#">L 00285</a>             |      | L     | LE     | 1  | 2  | 2  | 21  | 15S | 37E | 668137 | 3653757* |  | 105                                                                                   | 49 56   |       |
| <a href="#">L 00285 S</a>           |      | L     | LE     | 1  | 2  | 4  | 21  | 15S | 37E | 668151 | 3652952* |  | 118                                                                                   | 118 0   |       |
| <a href="#">L 00286</a>             |      | L     | LE     | 2  | 1  | 1  | 20  | 15S | 37E | 666388 | 3654325  |  | 270                                                                                   | 90 180  |       |
| <a href="#">L 00310</a>             |      | L     | LE     | 1  | 2  | 2  | 27  | 15S | 37E | 669779 | 3652171* |  | 140                                                                                   | 72 68   |       |
| <a href="#">L 00318</a>             |      | L     | LE     | 2  | 2  | 4  | 19  | 15S | 37E | 665128 | 3652901* |  | 110                                                                                   | 45 65   |       |
| <a href="#">L 00318 S</a>           |      | L     | LE     | 1  | 1  | 2  | 19  | 15S | 37E | 664127 | 3654336  |  | 260                                                                                   | 80 180  |       |
| <a href="#">L 00446</a>             |      | L     | LE     |    |    | 1  | 2   | 28  | 15S | 37E    | 667864   | 3652042*                                                                              |  | 114     | 54 60 |
| <a href="#">L 00446 S</a>           |      | L     | LE     | 3  | 2  | 28 | 15S | 37E | 37E | 668188 | 3650894  |  | 230                                                                                   | 100 130 |       |
| <a href="#">L 00456</a>             |      | L     | LE     | 3  | 3  | 1  | 34  | 15S | 37E | 668607 | 3649940* |  | 116                                                                                   | 70 46   |       |
| <a href="#">L 00459</a>             | R    | L     | LE     | 3  | 1  | 2  | 34  | 15S | 37E | 669405 | 3650355* |  | 140                                                                                   |         |       |

\*UTM location was derived from PLSS - see Help

(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      |       | Q Q Q  |    |    |   |     |     |     | X      | Y        | Depth Well                                                                            | Depth Water                                                                           | Water Column |     |     |
|------------------------------|----------|-------|--------|----|----|---|-----|-----|-----|--------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|-----|-----|
|                              | Sub-Code | basin | County | 64 | 16 | 4 | Sec | Tws | Rng |        |          |                                                                                       |                                                                                       |              |     |     |
| <a href="#">L 00459 POD4</a> |          | L     | LE     | 3  | 1  | 2 | 34  | 15S | 37E | 669339 | 3650589  |    | 241                                                                                   | 110          | 131 |     |
| <a href="#">L 00459 S</a>    |          | R     | L      | LE | 1  | 1 | 2   | 34  | 15S | 37E    | 669405   | 3650555*                                                                              |    | 146          | 67  | 79  |
| <a href="#">L 00488</a>      |          | L     | LE     | 1  | 2  | 2 | 20  | 15S | 37E | 666524 | 3653732* |    | 120                                                                                   |              |     |     |
| <a href="#">L 00488 POD2</a> |          | L     | LE     | 1  | 2  | 4 | 29  | 15S | 37E | 666568 | 3651317* |    | 180                                                                                   | 65           | 115 |     |
| <a href="#">L 00488 POD4</a> |          | L     | LE     | 3  | 3  | 2 | 20  | 15S | 37E | 666047 | 3653070  |    | 225                                                                                   | 120          | 105 |     |
| <a href="#">L 00488 S</a>    |          | L     | LE     | 1  | 1  | 4 | 20  | 15S | 37E | 666136 | 3652921* |    | 126                                                                                   |              |     |     |
| <a href="#">L 00553</a>      |          | L     | LE     |    | 1  | 1 | 05  | 15S | 37E | 665331 | 3658442* |    | 202                                                                                   | 110          | 92  |     |
| <a href="#">L 00553 S</a>    |          | L     | LE     | 1  | 1  | 3 | 05  | 15S | 37E | 665244 | 3657736* |    | 215                                                                                   | 90           | 125 |     |
| <a href="#">L 00555 POD3</a> |          | L     | LE     |    |    | 4 | 04  | 15S | 37E | 667969 | 3657475* |    | 187                                                                                   | 90           | 97  |     |
| <a href="#">L 00555 POD4</a> |          | L     | LE     |    |    | 4 | 04  | 15S | 37E | 667969 | 3657475* |    | 187                                                                                   | 90           | 97  |     |
| <a href="#">L 00555 POD5</a> |          | L     | LE     | 4  | 1  | 1 | 09  | 15S | 37E | 667069 | 3656759  |    | 195                                                                                   | 65           | 130 |     |
| <a href="#">L 00555 POD6</a> |          | L     | LE     | 4  | 1  | 1 | 09  | 15S | 37E | 667069 | 3656759  |    | 208                                                                                   | 75           | 133 |     |
| <a href="#">L 00555 POD6</a> |          | R     | L      | LE | 4  | 1 | 1   | 09  | 15S | 37E    | 667069   | 3656759                                                                               |    | 208          | 75  | 133 |
| <a href="#">L 00555 POD7</a> |          | L     | LE     | 1  | 3  | 4 | 04  | 15S | 37E | 667667 | 3657373* |   | 200                                                                                   | 100          | 100 |     |
| <a href="#">L 00555 S</a>    |          | R     | L      | LE | 1  | 1 | 2   | 04  | 15S | 37E    | 667645   | 3658581*                                                                              |  | 125          |     |     |
| <a href="#">L 00556</a>      |          | R     | L      | LE |    | 1 | 4   | 05  | 15S | 37E    | 666150   | 3657651*                                                                              |  | 115          |     |     |
| <a href="#">L 00556 POD3</a> |          | L     | LE     | 4  | 1  | 3 | 09  | 15S | 37E | 667083 | 3655954* |  | 199                                                                                   | 75           | 124 |     |
| <a href="#">L 00556 POD4</a> |          | L     | LE     | 4  | 4  | 1 | 09  | 15S | 37E | 667479 | 3656363  |  | 199                                                                                   | 75           | 124 |     |
| <a href="#">L 00556 POD5</a> |          | R     | L      | LE | 4  | 1 | 3   | 04  | 15S | 37E    | 667054   | 3657564*                                                                              |  | 210          | 90  | 120 |
| <a href="#">L 00556 POD6</a> |          | R     | L      | LE | 3  | 1 | 4   | 04  | 15S | 37E    | 667660   | 3657576*                                                                              |  | 215          | 90  | 125 |
| <a href="#">L 00556 POD8</a> |          | R     | L      | LE | 3  | 4 | 3   | 04  | 15S | 37E    | 667354   | 3657087                                                                               |  | 200          |     |     |
| <a href="#">L 00556 S</a>    |          | R     | L      | LE | 3  | 4 | 3   | 05  | 15S | 37E    | 665654   | 3657140*                                                                              |  | 120          |     |     |
| <a href="#">L 00565</a>      |          | L     | LE     | 1  | 1  | 4 | 32  | 15S | 37E | 666195 | 3649701* |  | 97                                                                                    |              |     |     |
| <a href="#">L 00566</a>      |          | L     | LE     | 1  | 1  | 2 | 32  | 15S | 37E | 666180 | 3650506* |  | 109                                                                                   |              |     |     |
| <a href="#">L 00597</a>      |          | L     | LE     | 1  | 1  | 1 | 33  | 15S | 37E | 666986 | 3650518* |  | 125                                                                                   |              |     |     |
| <a href="#">L 00597 S</a>    |          | L     | LE     | 1  | 1  | 2 | 33  | 15S | 37E | 667793 | 3650530* |  | 100                                                                                   |              |     |     |
| <a href="#">L 00598</a>      |          | R     | L      | LE |    | 1 | 3   | 33  | 15S | 37E    | 667102   | 3649615*                                                                              |  | 125          |     |     |
| <a href="#">L 00598 POD3</a> |          | L     | LE     | 1  | 1  | 3 | 33  | 15S | 37E | 667001 | 3649714* |  | 127                                                                                   | 118          | 9   |     |
| <a href="#">L 00598 S</a>    |          | L     | LE     | 1  | 3  | 4 | 33  | 15S | 37E | 667816 | 3649322* |  | 100                                                                                   |              |     |     |

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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      |       |        | Q Q Q |    |   |     |     |     | X      | Y        | Depth Well                                                                            | Depth Water | Water Column |     |
|------------------------------|----------|-------|--------|-------|----|---|-----|-----|-----|--------|----------|---------------------------------------------------------------------------------------|-------------|--------------|-----|
|                              | Sub-Code | basin | County | 64    | 16 | 4 | Sec | Tws | Rng |        |          |                                                                                       |             |              |     |
| <a href="#">L 00599</a>      | R        | L     | LE     |       |    |   | 31  | 15S | 37E | 664487 | 3649766* |    | 107         |              |     |
| <a href="#">L 00599 POD4</a> |          | L     | LE     | 1     | 4  | 3 | 30  | 15S | 37E | 664159 | 3650877* |    | 195         | 191          | 4   |
| <a href="#">L 00599 POD5</a> |          | L     | LE     | 3     | 2  | 4 | 31  | 15S | 37E | 664985 | 3649482* |    | 193         | 191          | 2   |
| <a href="#">L 00599 POD6</a> |          | L     | LE     | 2     | 2  | 4 | 31  | 15S | 37E | 665288 | 3649041  |    | 235         | 120          | 115 |
| <a href="#">L 00599 POD7</a> |          | L     | LE     | 1     | 2  | 1 | 31  | 15S | 37E | 664120 | 3650593  |    | 235         | 95           | 140 |
| <a href="#">L 00599 S</a>    | R        | L     | LE     |       |    | 3 | 30  | 15S | 37E | 664058 | 3650972* |    | 100         | 44           | 56  |
| <a href="#">L 00599 S2</a>   |          | L     | LE     |       |    | 4 | 31  | 15S | 37E | 664891 | 3649376* |    | 198         | 98           | 100 |
| <a href="#">L 00610 POD4</a> |          | L     | LE     | 4     | 2  | 3 | 02  | 15S | 37E | 670687 | 3657616* |    | 120         | 37           | 83  |
| <a href="#">L 00610 POD5</a> | R        | L     | LE     | 1     | 1  | 4 | 02  | 15S | 37E | 670890 | 3657821* |    | 120         | 37           | 83  |
| <a href="#">L 00706</a>      |          | L     | LE     | 1     | 1  | 2 | 09  | 15S | 37E | 667675 | 3656971* |    | 125         |              |     |
| <a href="#">L 00706 POD2</a> |          | L     | LE     |       | 1  | 4 | 09  | 15S | 37E | 667791 | 3656067* |    | 100         |              |     |
| <a href="#">L 00706 POD7</a> |          | L     | LE     | 1     | 2  | 2 | 09  | 15S | 37E | 667222 | 3657454  |    | 200         |              |     |
| <a href="#">L 00707</a>      |          | L     | LE     | 1     | 3  | 2 | 09  | 15S | 37E | 667682 | 3656568* |   | 269         | 110          | 159 |
| <a href="#">L 00708</a>      |          | L     | LE     | 1     | 3  | 4 | 09  | 15S | 37E | 667701 | 3655857  |  | 103         | 65           | 38  |
| <a href="#">L 00708</a>      | R        | L     | LE     | 1     | 3  | 4 | 09  | 15S | 37E | 667701 | 3655857  |  | 103         | 65           | 38  |
| <a href="#">L 00735</a>      |          | L     | LE     | 1     | 1  | 2 | 22  | 15S | 37E | 669347 | 3653775* |  | 119         | 33           | 86  |
| <a href="#">L 00735 S</a>    |          | L     | LE     | 1     | 3  | 2 | 22  | 15S | 37E | 669354 | 3653372* |  | 150         | 45           | 105 |
| <a href="#">L 00736</a>      |          | L     | LE     | 2     | 1  | 1 | 23  | 15S | 37E | 670354 | 3653787* |  | 122         |              |     |
| <a href="#">L 00736</a>      | R        | L     | LE     | 2     | 1  | 1 | 23  | 15S | 37E | 670354 | 3653787* |  | 122         |              |     |
| <a href="#">L 00746</a>      |          | L     | LE     | 1     | 1  | 1 | 29  | 15S | 37E | 665345 | 3652103* |  | 244         | 110          | 134 |
| <a href="#">L 00747</a>      |          | L     | LE     | 1     | 1  | 1 | 28  | 15S | 37E | 666957 | 3652128* |  | 271         | 110          | 161 |
| <a href="#">L 00759</a>      |          | L     | LE     | 1     | 1  | 3 | 28  | 15S | 37E | 666971 | 3651323* |  | 160         | 73           | 87  |
| <a href="#">L 00759 S</a>    |          | L     | LE     |       | 2  | 3 | 28  | 15S | 37E | 667476 | 3651230* |  | 166         | 73           | 93  |
| <a href="#">L 00759 S2</a>   |          | L     | LE     |       |    | 4 | 28  | 15S | 37E | 668087 | 3651035* |  | 177         | 98           | 79  |
| <a href="#">L 00759 S3</a>   |          | L     | LE     | 1     | 1  | 4 | 28  | 15S | 37E | 667778 | 3651336* |  | 160         | 73           | 87  |
| <a href="#">L 00759 S4</a>   |          | L     | LE     | 3     | 1  | 3 | 28  | 15S | 37E | 666911 | 3651065  |  | 221         | 120          | 101 |
| <a href="#">L 00759 S5</a>   |          | L     | LE     | 4     | 4  | 4 | 28  | 15S | 37E | 668340 | 3650720  |  | 230         | 110          | 120 |
| <a href="#">L 00819</a>      |          | L     | LE     | 1     | 1  | 2 | 08  | 15S | 37E | 666064 | 3656945* |  | 110         | 42           | 68  |
| <a href="#">L 00819</a>      | R        | L     | LE     | 1     | 1  | 2 | 08  | 15S | 37E | 666064 | 3656945* |  | 110         | 42           | 68  |

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(In feet)

| POD Number                   | POD<br>Sub-<br>Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Depth<br>Well | Depth<br>Water | Water<br>Column |
|------------------------------|---------------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|---------------|----------------|-----------------|
| <a href="#">L 00819 S</a>    | R                   | L     | LE     | 3    | 1    | 2   | 08  | 15S | 37E | 666064 | 3656745* | 112           | 42             | 70              |
| <a href="#">L 00821</a>      | R                   | L     | LE     |      |      |     | 06  | 15S | 37E | 664351 | 3657812* | 110           |                |                 |
| <a href="#">L 00821 POD2</a> |                     | L     | LE     | 1    | 1    | 2   | 06  | 15S | 37E | 664426 | 3658527* | 195           | 82             | 113             |
| <a href="#">L 00822</a>      |                     | L     | LE     | 3    | 1    | 4   | 06  | 15S | 37E | 664440 | 3657523* | 104           | 80             | 24              |
| <a href="#">L 00956 POD1</a> |                     | L     | LE     |      | 2    | 2   | 15  | 15S | 37E | 669823 | 3655292* | 112           |                |                 |
| <a href="#">L 00994 POD1</a> |                     | L     | LE     | 3    | 3    | 1   | 27  | 15S | 37E | 668577 | 3651550* | 77            |                |                 |
| <a href="#">L 01009 POD1</a> |                     | L     | LE     | 4    | 4    | 3   | 28  | 15S | 37E | 667582 | 3650727* | 100           |                |                 |
| <a href="#">L 01045</a>      |                     | L     | LE     | 1    | 3    | 2   | 14  | 15S | 37E | 670939 | 3655004* | 100           | 35             | 65              |
| <a href="#">L 01067</a>      |                     | L     | LE     | 4    | 3    | 4   | 06  | 15S | 37E | 664647 | 3657120* |               |                |                 |
| <a href="#">L 01068</a>      |                     | L     | LE     | 4    | 3    | 3   | 05  | 15S | 37E | 665451 | 3657133* | 75            | 53             | 22              |
| <a href="#">L 01077</a>      |                     | L     | LE     |      | 1    | 1   | 12  | 15S | 37E | 671811 | 3656927* | 120           |                |                 |
| <a href="#">L 01080</a>      |                     | L     | LE     | 1    | 2    | 2   | 14  | 15S | 37E | 671336 | 3655412* | 120           | 32             | 88              |
| <a href="#">L 01095</a>      |                     | L     | LE     |      | 4    | 1   | 02  | 15S | 37E | 670581 | 3658120* | 120           |                |                 |
| <a href="#">L 01110 POD1</a> |                     | L     | LE     | 1    | 1    | 2   | 14  | 15S | 37E | 670932 | 3655407* | 115           |                |                 |
| <a href="#">L 01117 POD1</a> |                     | L     | LE     | 3    | 4    | 2   | 11  | 15S | 37E | 671314 | 3656419* | 120           | 50             | 70              |
| <a href="#">L 01118 POD1</a> |                     | L     | LE     |      | 3    | 1   | 02  | 15S | 37E | 670178 | 3658115* | 108           |                |                 |
| <a href="#">L 01119 POD1</a> |                     | L     | LE     |      | 3    | 3   | 04  | 15S | 37E | 666962 | 3657263* | 108           |                |                 |
| <a href="#">L 01136 POD1</a> |                     | L     | LE     |      | 1    | 4   | 02  | 15S | 37E | 670991 | 3657722* | 118           |                |                 |
| <a href="#">L 01160 POD1</a> |                     | L     | LE     |      | 2    | 2   | 04  | 15S | 37E | 668149 | 3658488* | 150           | 50             | 100             |
| <a href="#">L 01175 POD1</a> |                     | L     | LE     |      | 1    | 3   | 01  | 15S | 37E | 671797 | 3657732* | 120           | 33             | 87              |
| <a href="#">L 01176 POD1</a> |                     | L     | LE     |      |      | 1   | 04  | 15S | 37E | 667149 | 3658269* | 65            | 35             | 30              |
| <a href="#">L 01182 POD1</a> |                     | L     | LE     | 1    | 1    | 1   | 11  | 15S | 37E | 670096 | 3657007* | 110           | 35             | 75              |
| <a href="#">L 01197 POD1</a> |                     | L     | LE     | 3    | 1    | 3   | 02  | 15S | 37E | 670083 | 3657612* | 112           |                |                 |
| <a href="#">L 01199 POD1</a> |                     | L     | LE     | 2    | 4    | 1   | 14  | 15S | 37E | 670736 | 3654999* | 121           | 37             | 84              |
| <a href="#">L 01204 POD1</a> |                     | L     | LE     | 3    | 4    | 2   | 02  | 15S | 37E | 671286 | 3658028* | 100           | 40             | 60              |
| <a href="#">L 01207 POD1</a> |                     | L     | LE     |      | 2    | 2   | 15  | 15S | 37E | 669823 | 3655292* | 120           | 32             | 88              |
| <a href="#">L 01224 POD1</a> |                     | L     | LE     |      | 1    | 1   | 02  | 15S | 37E | 670172 | 3658517* | 115           | 33             | 82              |
| <a href="#">L 01237</a>      |                     | L     | LE     |      | 2    | 2   | 15  | 15S | 37E | 669823 | 3655292* | 110           | 38             | 72              |
| <a href="#">L 01283</a>      |                     | L     | LE     |      | 3    | 2   | 11  | 15S | 37E | 671012 | 3656515* | 120           | 40             | 80              |

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| POD Number                   | POD      |       | Q Q Q  |    |    |     |     |        |          | X                                                                                     | Y                                                                                     | Depth Well | Depth Water | Water Column |
|------------------------------|----------|-------|--------|----|----|-----|-----|--------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|-------------|--------------|
|                              | Sub-Code | basin | County | 64 | 16 | 4   | Sec | Tws    | Rng      |                                                                                       |                                                                                       |            |             |              |
| <a href="#">L 01284</a>      | L        | LE    | 1      | 2  | 02 | 15S | 37E | 670978 | 3658527* |    | 108                                                                                   | 48         | 60          |              |
| <a href="#">L 01285</a>      | L        | LE    | 2      | 2  | 02 | 15S | 37E | 671380 | 3658531* |    | 112                                                                                   | 52         | 60          |              |
| <a href="#">L 01293</a>      | L        | LE    | 2      | 2  | 03 | 15S | 37E | 669767 | 3658511* |    | 113                                                                                   | 45         | 68          |              |
| <a href="#">L 01297</a>      | L        | LE    | 3      | 1  | 01 | 15S | 37E | 671790 | 3658134* |    | 115                                                                                   | 45         | 70          |              |
| <a href="#">L 01320</a>      | L        | LE    | 3      | 4  | 11 | 15S | 37E | 671026 | 3655710* |    | 120                                                                                   | 32         | 88          |              |
| <a href="#">L 01321</a>      | L        | LE    | 4      | 2  | 11 | 15S | 37E | 671415 | 3656520* |    | 120                                                                                   | 32         | 88          |              |
| <a href="#">L 01322</a>      | L        | LE    | 2      | 1  | 1  | 11  | 15S | 37E    | 670296   | 3657007*                                                                              |    | 120        | 32          | 88           |
| <a href="#">L 01323</a>      | L        | LE    | 4      | 2  | 11 | 15S | 37E | 671415 | 3656520* |    | 120                                                                                   | 32         | 88          |              |
| <a href="#">L 01324</a>      | L        | LE    | 1      | 2  | 11 | 15S | 37E | 671004 | 3656917* |    | 120                                                                                   | 32         | 88          |              |
| <a href="#">L 01332</a>      | L        | LE    | 2      | 2  | 11 | 15S | 37E | 671408 | 3656922* |    | 115                                                                                   | 32         | 83          |              |
| <a href="#">L 01337</a>      | L        | LE    | 2      | 3  | 1  | 05  | 15S | 37E    | 665437   | 3658138*                                                                              |    | 65         | 47          | 18           |
| <a href="#">L 01376</a>      | L        | LE    | 3      | 2  | 1  | 31  | 15S | 37E    | 664166   | 3650275*                                                                              |    | 90         | 35          | 55           |
| <a href="#">L 01379</a>      | L        | LE    | 2      | 2  | 34 | 15S | 37E | 669909 | 3650462* |  | 120                                                                                   | 32         | 88          |              |
| <a href="#">L 01422</a>      | L        | LE    | 3      | 3  | 02 | 15S | 37E | 670190 | 3657310* |  | 100                                                                                   |            |             |              |
| <a href="#">L 01430</a>      | L        | LE    | 2      | 1  | 11 | 15S | 37E | 670601 | 3656913* |  | 120                                                                                   | 33         | 87          |              |
| <a href="#">L 01447</a>      | L        | LE    | 1      | 1  | 01 | 15S | 37E | 671783 | 3658536* |  | 113                                                                                   | 45         | 68          |              |
| <a href="#">L 01491</a>      | L        | LE    | 3      | 1  | 01 | 15S | 37E | 671790 | 3658134* |  | 117                                                                                   | 45         | 72          |              |
| <a href="#">L 01568 POD1</a> | L        | LE    | 1      | 3  | 12 | 15S | 37E | 671826 | 3656122* |  | 120                                                                                   | 38         | 82          |              |
| <a href="#">L 01578 POD1</a> | L        | LE    | 2      | 2  | 4  | 03  | 15S | 37E    | 669879   | 3657806*                                                                              |  | 115        | 55          | 60           |
| <a href="#">L 01587 POD1</a> | L        | LE    | 2      | 1  | 01 | 15S | 37E | 672186 | 3658542* |  | 115                                                                                   | 55         | 60          |              |
| <a href="#">L 01637 POD1</a> | L        | LE    | 1      | 1  | 3  | 01  | 15S | 37E    | 671696   | 3657831*                                                                              |  | 109        | 50          | 59           |
| <a href="#">L 01673 POD1</a> | L        | LE    | 4      | 3  | 02 | 15S | 37E | 670594 | 3657315* |  | 120                                                                                   |            |             |              |
| <a href="#">L 01739 POD1</a> | L        | LE    | 2      | 2  | 2  | 10  | 15S | 37E    | 669893   | 3657001*                                                                              |  | 110        | 55          | 55           |
| <a href="#">L 01808 POD1</a> | L        | LE    | 4      | 3  | 09 | 15S | 37E | 667395 | 3655658* |  | 80                                                                                    | 40         | 40          |              |
| <a href="#">L 01997</a>      | L        | LE    | 1      | 4  | 03 | 15S | 37E | 669375 | 3657701* |  | 120                                                                                   | 33         | 87          |              |
| <a href="#">L 02268</a>      | L        | LE    | 2      | 4  | 10 | 15S | 37E | 669808 | 3656097* |  |                                                                                       | 55         |             |              |
| <a href="#">L 02302</a>      | L        | LE    | 2      | 2  | 4  | 11  | 15S | 37E    | 671521   | 3656216*                                                                              |  | 80         | 45          | 35           |
| <a href="#">L 02303</a>      | L        | LE    | 2      | 2  | 4  | 16  | 15S | 37E    | 668322   | 3654562*                                                                              |  | 80         | 45          | 35           |
| <a href="#">L 02317</a>      | L        | LE    | 1      | 1  | 11 | 15S | 37E | 670197 | 3656908* |  | 110                                                                                   | 65         | 45          |              |

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|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| <a href="#">L 02382</a>      | L            | LE    |        | 4    | 2    | 14  | 15S | 37E |     | 671444 | 3654911* | 112        | 35          | 77           |
| <a href="#">L 02391</a>      | L            | LE    |        | 3    | 3    | 3   | 11  | 15S | 37E | 670118 | 3655599* | 80         | 37          | 43           |
| <a href="#">L 02399</a>      | L            | LE    |        | 2    | 2    | 20  | 15S | 37E |     | 666625 | 3653633* | 80         | 42          | 38           |
| <a href="#">L 02468</a>      | L            | LE    |        | 2    | 4    | 22  | 15S | 37E |     | 669866 | 3652877* | 100        | 40          | 60           |
| <a href="#">L 02920</a>      | L            | LE    |        | 4    | 4    | 3   | 06  | 15S | 37E | 664298 | 3657035  | 208        | 90          | 118          |
| <a href="#">L 03099</a>      | L            | LE    |        | 3    | 3    | 36  | 15S | 37E |     | 671944 | 3649285* | 120        | 55          | 65           |
| <a href="#">L 03207</a>      | L            | LE    |        | 1    | 3    | 36  | 15S | 37E |     | 671937 | 3649687* | 105        | 35          | 70           |
| <a href="#">L 03240</a>      | L            | LE    |        | 2    | 4    | 35  | 15S | 37E |     | 671534 | 3649681* | 120        | 45          | 75           |
| <a href="#">L 03316</a>      | L            | LE    |        | 2    | 3    | 36  | 15S | 37E |     | 672340 | 3649694* | 124        | 35          | 89           |
| <a href="#">L 03781</a>      | L            | LE    |        | 1    | 1    | 1   | 20  | 15S | 37E | 665316 | 3653712* | 180        |             |              |
| <a href="#">L 03929</a>      | L            | LE    |        | 1    | 4    | 1   | 01  | 15S | 37E | 672092 | 3658239* | 100        | 55          | 45           |
| <a href="#">L 03987</a>      | L            | LE    |        | 2    | 2    | 07  | 15S | 37E |     | 664957 | 3656826* | 102        | 86          | 16           |
| <a href="#">L 04175</a>      | L            | LE    |        |      |      | 34  | 15S | 37E |     | 669327 | 3649838* | 100        | 80          | 20           |
| <a href="#">L 04200</a>      | L            | LE    |        | 3    | 3    | 34  | 15S | 37E |     | 668724 | 3649235* |            |             |              |
| <a href="#">L 04472</a>      | L            | LE    |        | 2    | 2    | 08  | 15S | 37E |     | 666567 | 3656853* | 90         | 80          | 10           |
| <a href="#">L 04512</a>      | L            | LE    |        | 2    | 2    | 04  | 15S | 37E |     | 668149 | 3658488* | 120        | 45          | 75           |
| <a href="#">L 04550</a>      | L            | LE    |        | 3    | 3    | 18  | 15S | 37E |     | 663804 | 3653990* | 95         | 52          | 43           |
| <a href="#">L 04655</a>      | L            | LE    |        | 1    | 1    | 3   | 34  | 15S | 37E | 668615 | 3649737* | 95         | 56          | 39           |
| <a href="#">L 04956</a>      | L            | LE    |        | 1    | 1    | 1   | 12  | 15S | 37E | 671710 | 3657026* | 100        | 43          | 57           |
| <a href="#">L 05242</a>      | L            | LE    |        |      | 4    | 19  | 15S | 37E |     | 664835 | 3652595* | 125        | 80          | 45           |
| <a href="#">L 05331</a>      | L            | LE    |        | 2    | 1    | 27  | 15S | 37E |     | 669074 | 3652060* | 100        | 60          | 40           |
| <a href="#">L 05337</a>      | L            | LE    |        | 1    | 4    | 09  | 15S | 37E |     | 667791 | 3656067* | 100        | 85          | 15           |
| <a href="#">L 05403</a>      | L            | LE    |        | 4    | 4    | 05  | 15S | 37E |     | 666560 | 3657255* | 100        | 85          | 15           |
| <a href="#">L 05455</a>      | L            | LE    |        | 4    | 3    | 1   | 36  | 15S | 37E | 672030 | 3649988* | 125        | 70          | 55           |
| <a href="#">L 05484</a>      | L            | LE    |        | 2    | 1    | 1   | 20  | 15S | 37E | 665516 | 3653712* | 180        |             |              |
| <a href="#">L 05541</a>      | L            | LE    |        | 1    | 1    | 25  | 15S | 37E |     | 671897 | 3652100* | 115        | 40          | 75           |
| <a href="#">L 05587 POD2</a> | L            | LE    |        | 1    | 1    | 4   | 27  | 15S | 37E | 669337 | 3651445  | 190        | 100         | 90           |
| <a href="#">L 05825</a>      | L            | LE    |        | 1    | 4    | 22  | 15S | 37E |     | 669462 | 3652871* | 148        | 45          | 103          |
| <a href="#">L 05825 S</a>    | L            | LE    |        | 1    | 4    | 1   | 26  | 15S | 37E | 670593 | 3651780* | 130        | 60          | 70           |

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|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| <a href="#">L 05825 S2</a>   | L            | LE    |        | 4    | 22   | 15S | 37E |     |     | 669671 | 3652669* | 160        | 40          | 120          |
| <a href="#">L 05956</a>      | L            | LE    |        | 3    | 3    | 18  | 15S | 37E |     | 663804 | 3653990* | 108        | 65          | 43           |
| <a href="#">L 05957</a>      | L            | LE    |        | 2    | 1    | 18  | 15S | 37E |     | 664182 | 3655203* | 110        | 65          | 45           |
| <a href="#">L 06625</a>      | L            | LE    |        | 3    | 2    | 2   | 12  | 15S | 37E | 672920 | 3656845* | 130        | 80          | 50           |
| <a href="#">L 06782</a>      | L            | LE    |        | 3    | 22   | 15S | 37E |     |     | 668864 | 3652657* |            |             |              |
| <a href="#">L 07054</a>      | L            | LE    |        | 4    | 1    | 1   | 22  | 15S | 37E | 668740 | 3653563* | 142        | 60          | 82           |
| <a href="#">L 07164</a>      | L            | LE    |        | 3    | 20   | 15S | 37E |     |     | 665640 | 3652608* | 120        | 71          | 49           |
| <a href="#">L 07198</a>      | L            | LE    |        | 4    | 2    | 3   | 02  | 15S | 37E | 670687 | 3657616* | 125        | 47          | 78           |
| <a href="#">L 07437</a>      | L            | LE    |        | 4    | 3    | 3   | 21  | 15S | 37E | 667149 | 3652331* | 120        | 73          | 47           |
| <a href="#">L 07456</a>      | L            | LE    |        | 2    | 2    | 3   | 36  | 15S | 37E | 672439 | 3649793* | 126        | 32          | 94           |
| <a href="#">L 07579</a>      | L            | LE    |        | 2    | 2    | 4   | 27  | 15S | 37E | 669994 | 3651366* |            | 44          |              |
| <a href="#">L 07592</a>      | R            | L     | LE     | 2    | 4    | 09  | 15S | 37E |     | 668194 | 3656073* | 100        | 70          | 30           |
| <a href="#">L 07610</a>      | L            | LE    |        | 3    | 2    | 11  | 15S | 37E |     | 671012 | 3656515* | 100        |             |              |
| <a href="#">L 07613</a>      | L            | LE    |        |      | 23   | 15S | 37E |     |     | 670879 | 3653083* | 96         | 45          | 51           |
| <a href="#">L 07633</a>      | L            | LE    |        | 4    | 4    | 4   | 29  | 15S | 37E | 666776 | 3650715* | 110        | 65          | 45           |
| <a href="#">L 07633</a>      | R            | L     | LE     | 4    | 4    | 4   | 29  | 15S | 37E | 666776 | 3650715* | 110        | 65          | 45           |
| <a href="#">L 07665</a>      | L            | LE    |        | 4    | 4    | 4   | 11  | 15S | 37E | 671529 | 3655614* | 126        | 40          | 86           |
| <a href="#">L 07666</a>      | L            | LE    |        | 4    | 4    | 2   | 27  | 15S | 37E | 669986 | 3651568* | 126        | 60          | 66           |
| <a href="#">L 07953</a>      | L            | LE    |        | 3    | 4    | 1   | 15  | 15S | 37E | 668921 | 3654776* | 100        | 68          | 32           |
| <a href="#">L 07981</a>      | L            | LE    |        | 4    | 4    | 1   | 26  | 15S | 37E | 670793 | 3651580* | 142        | 70          | 72           |
| <a href="#">L 08060 POD3</a> | L            | LE    |        | 2    | 2    | 1   | 28  | 15S | 37E | 667551 | 3652207  | 162        | 84          | 78           |
| <a href="#">L 08123 POD1</a> | L            | LE    |        |      | 28   | 15S | 37E |     |     | 667683 | 3651425* | 120        | 82          | 38           |
| <a href="#">L 08123 POD2</a> | L            | LE    |        |      | 28   | 15S | 37E |     |     | 667683 | 3651425* | 120        | 82          | 38           |
| <a href="#">L 08411</a>      | L            | LE    |        | 3    | 1    | 1   | 34  | 15S | 37E | 668600 | 3650342* | 105        |             |              |
| <a href="#">L 08489</a>      | L            | LE    |        | 4    | 2    | 18  | 15S | 37E |     | 664993 | 3654814* | 116        | 73          | 43           |
| <a href="#">L 08593</a>      | L            | LE    |        | 4    | 2    | 18  | 15S | 37E |     | 664993 | 3654814* | 120        | 80          | 40           |
| <a href="#">L 08594</a>      | L            | LE    |        | 3    | 1    | 3   | 03  | 15S | 37E | 668466 | 3657588* | 150        | 90          | 60           |
| <a href="#">L 08598</a>      | L            | LE    |        | 3    | 1    | 3   | 03  | 15S | 37E | 668466 | 3657588* | 150        | 90          | 60           |
| <a href="#">L 09678</a>      | L            | LE    |        | 3    | 4    | 06  | 15S | 37E |     | 664548 | 3657221* | 150        | 110         | 40           |

\*UTM location was derived from PLSS - see Help

(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      |       | Q Q Q  |    |    |     |     |        |          | X                                                                                   | Y                                                                                     | Depth Well | Depth Water | Water Column |
|-------------------------------|----------|-------|--------|----|----|-----|-----|--------|----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|-------------|--------------|
|                               | Sub-Code | basin | County | 64 | 16 | 4   | Sec | Tws    | Rng      |                                                                                     |                                                                                       |            |             |              |
| <a href="#">L 09820</a>       | L        | LE    | 2      | 2  | 07 | 15S | 37E | 664957 | 3656826* |  | 100                                                                                   | 60         | 40          |              |
| <a href="#">L 09926</a>       | L        | LE    | 1      | 1  | 4  | 12  | 15S | 37E    | 672433   | 3656142                                                                             |    | 150        | 75          | 75           |
| <a href="#">L 10026</a>       | L        | LE    | 3      | 4  | 2  | 22  | 15S | 37E    | 669757   | 3653178*                                                                            |    | 150        | 65          | 85           |
| <a href="#">L 10220</a>       | L        | LE    | 4      | 2  | 34 | 15S | 37E | 669916 | 3650059* |  | 95                                                                                    | 58         | 37          |              |
| <a href="#">L 10410</a>       | L        | LE    | 4      | 4  | 17 | 15S | 37E | 666618 | 3654035* |  | 115                                                                                   | 76         | 39          |              |
| <a href="#">L 10541</a>       | L        | LE    | 4      | 4  | 3  | 09  | 15S | 37E    | 667494   | 3655557*                                                                            |    | 240        |             |              |
| <a href="#">L 10617</a>       | L        | LE    | 3      | 1  | 4  | 28  | 15S | 37E    | 667778   | 3651136*                                                                            |    | 188        | 65          | 123          |
| <a href="#">L 10625</a>       | L        | LE    | 4      | 4  | 4  | 29  | 15S | 37E    | 666776   | 3650715*                                                                            |    | 120        | 60          | 60           |
| <a href="#">L 10685</a>       | L        | LE    | 2      | 3  | 02 | 15S | 37E | 670588 | 3657717* |  | 150                                                                                   | 84         | 66          |              |
| <a href="#">L 11007</a>       | R        | L     | LE     | 4  | 09 | 15S | 37E | 667954 | 3655664  |  | 130                                                                                   | 75         | 55          |              |
| <a href="#">L 11105</a>       | L        | LE    | 1      | 1  | 09 | 15S | 37E | 666970 | 3656860* |  | 200                                                                                   | 82         | 118         |              |
| <a href="#">L 12181 POD1</a>  | L        | LE    | 3      | 2  | 3  | 29  | 15S | 37E    | 665768   | 3651095                                                                             |    | 215        |             |              |
| <a href="#">L 12299 POD1</a>  | L        | LE    | 4      | 4  | 4  | 29  | 15S | 37E    | 666684   | 3650778                                                                             |    | 197        |             |              |
| <a href="#">L 12602 POD1</a>  | L        | LE    | 3      | 1  | 1  | 04  | 15S | 37E    | 666772   | 3658334                                                                             |  | 195        |             |              |
| <a href="#">L 13024 POD1</a>  | L        | LE    | 1      | 1  | 1  | 20  | 15S | 37E    | 665287   | 3653733                                                                             |  | 182        | 97          | 85           |
| <a href="#">L 13186 POD1</a>  | L        | LE    | 2      | 4  | 4  | 20  | 15S | 37E    | 666812   | 3652567                                                                             |  | 210        |             |              |
| <a href="#">L 13284 POD1</a>  | L        | LE    | 4      | 3  | 3  | 21  | 15S | 37E    | 667060   | 3652283                                                                             |  | 210        | 90          | 120          |
| <a href="#">L 13285 POD1</a>  | L        | LE    | 2      | 4  | 4  | 08  | 15S | 37E    | 666751   | 3655811                                                                             |  | 200        | 90          | 110          |
| <a href="#">L 13485 POD 1</a> | L        | LE    | 3      | 4  | 2  | 10  | 15S | 37E    | 669192   | 3655778                                                                             |  | 180        | 103         | 77           |
| <a href="#">L 13564 POD1</a>  | L        | LE    | 2      | 2  | 1  | 01  | 15S | 37E    | 672315   | 3658559                                                                             |  | 270        | 95          | 175          |
| <a href="#">L 13629 POD10</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671037   | 3657002                                                                             |  | 90         | 70          | 20           |
| <a href="#">L 13629 POD11</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671184   | 3657035                                                                             |  | 90         | 71          | 19           |
| <a href="#">L 13629 POD12</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671138   | 3657111                                                                             |  | 90         | 72          | 18           |
| <a href="#">L 13629 POD13</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671093   | 3657074                                                                             |  | 90         | 70          | 20           |
| <a href="#">L 13629 POD14</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671112   | 3657085                                                                             |  | 90         | 70          | 20           |
| <a href="#">L 13629 POD16</a> | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671094   | 3657050                                                                             |  | 90         | 70          | 20           |
| <a href="#">L 13629 POD7</a>  | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671073   | 3657109                                                                             |  | 90         | 73          | 17           |
| <a href="#">L 13629 POD8</a>  | L        | LE    | 2      | 1  | 2  | 11  | 15S | 37E    | 671100   | 3656952                                                                             |  | 90         | 69          | 21           |
| <a href="#">L 13631 POD4</a>  | L        | LE    | 3      | 3  | 1  | 13  | 15S | 37E    | 671507   | 3654796                                                                             |  | 86         | 72          | 14           |

\*UTM location was derived from PLSS - see Help

(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<br>Sub-<br>Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y       |                                                                                       | Depth<br>Well | Depth<br>Water | Water<br>Column |
|-------------------------------|---------------------|-------|--------|------|------|-----|-----|-----|-----|--------|---------|---------------------------------------------------------------------------------------|---------------|----------------|-----------------|
| <a href="#">L 13692 POD9</a>  | L                   | LE    |        | 2    | 1    | 2   | 11  | 15S | 37E | 671040 | 3657045 |    | 90            | 70             | 20              |
| <a href="#">L 13755 POD1</a>  | L                   | LE    |        | 3    | 3    | 3   | 05  | 15S | 37E | 665231 | 3657051 |    | 210           | 95             | 115             |
| <a href="#">L 14152 POD16</a> | L                   | LE    |        | 1    | 2    | 2   | 14  | 15S | 37E | 671273 | 3655439 |    | 90            | 65             | 25              |
| <a href="#">L 14152 POD17</a> | L                   | LE    |        | 2    | 1    | 2   | 14  | 15S | 37E | 671132 | 3655522 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD18</a> | L                   | LE    |        | 2    | 1    | 2   | 14  | 15S | 37E | 671140 | 3655466 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD19</a> | L                   | LE    |        | 2    | 1    | 2   | 14  | 15S | 37E | 671188 | 3655404 |    | 90            | 65             | 25              |
| <a href="#">L 14152 POD20</a> | L                   | LE    |        | 3    | 4    | 4   | 11  | 15S | 37E | 671250 | 3655547 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD21</a> | L                   | LE    |        | 1    | 2    | 2   | 14  | 15S | 37E | 671288 | 3655501 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD22</a> | L                   | LE    |        | 4    | 3    | 4   | 11  | 15S | 37E | 671227 | 3655455 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD23</a> | L                   | LE    |        | 2    | 1    | 2   | 14  | 15S | 37E | 671166 | 3655528 |    | 89            | 65             | 24              |
| <a href="#">L 14152 POD24</a> | L                   | LE    |        | 2    | 1    | 2   | 14  | 15S | 37E | 671225 | 3655508 |    | 89            | 65             | 24              |
| <a href="#">L 14185 POD1</a>  | L                   | LE    |        | 2    | 4    | 1   | 25  | 15S | 37E | 672330 | 3651781 |    | 237           | 61             | 176             |
| <a href="#">L 14264 POD1</a>  | L                   | LE    |        | 3    | 3    | 1   | 18  | 15S | 37E | 663650 | 3654720 |  | 210           | 80             | 130             |
| <a href="#">L 14299 POD1</a>  | L                   | LE    |        | 3    | 3    | 3   | 11  | 15S | 37E | 670136 | 3655563 |  | 210           | 84             | 126             |
| <a href="#">L 14423 POD1</a>  | L                   | LE    |        | 3    | 3    | 1   | 27  | 15S | 37E | 668529 | 3651623 |  | 180           | 106            | 74              |
| <a href="#">L 14462 POD1</a>  | L                   | LE    |        | 3    | 3    | 1   | 08  | 15S | 37E | 665318 | 3656291 |  | 205           | 80             | 125             |
| <a href="#">L 14734 POD1</a>  | L                   | LE    |        | 2    | 1    | 1   | 21  | 15S | 37E | 666863 | 3653837 |  | 204           | 100            | 104             |
| <a href="#">L 14748 POD1</a>  | L                   | LE    |        | 4    | 4    | 3   | 28  | 15S | 37E | 667649 | 3650714 |  | 225           | 100            | 125             |
| <a href="#">L 14824 POD1</a>  | L                   | LE    |        | 1    | 3    | 2   | 30  | 15S | 37E | 664597 | 3651525 |  | 220           | 220            | 0               |
| <a href="#">L 14961 POD1</a>  | L                   | LE    |        | 4    | 3    | 4   | 18  | 15S | 37E | 664713 | 3653930 |  | 240           | 90             | 150             |
| <a href="#">L 15060 POD1</a>  | L                   | LE    |        | 4    | 3    | 3   | 20  | 15S | 37E | 665618 | 3652590 |  | 195           | 103            | 92              |
| <a href="#">L 15107 POD1</a>  | L                   | LE    |        | 3    | 1    | 3   | 22  | 15S | 37E | 668468 | 3652823 |  | 210           | 100            | 110             |
| <a href="#">L 15107 POD2</a>  | L                   | LE    |        | 1    | 3    | 1   | 22  | 15S | 37E | 668537 | 3653348 |  | 208           | 100            | 108             |
| <a href="#">L 15107 POD4</a>  | L                   | LE    |        | 3    | 2    | 1   | 22  | 15S | 37E | 668844 | 3653631 |  | 245           | 100            | 145             |
| <a href="#">L 15138 POD1</a>  | L                   | LE    |        | 3    | 4    | 1   | 22  | 15S | 37E | 668842 | 3655019 |  | 184           | 84             | 100             |
| <a href="#">L 15240 POD1</a>  | L                   | LE    |        | 2    | 1    | 4   | 18  | 15S | 37E | 664742 | 3654582 |  | 212           | 110            | 102             |
| <a href="#">L 15284 POD1</a>  | L                   | LE    |        | 4    | 2    | 1   | 22  | 15S | 37E | 669131 | 3653636 |  | 227           | 90             | 137             |

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.

Average Depth to Water: **69 feet**

Minimum Depth: **32 feet**

Maximum Depth: **220 feet**

---

**Record Count:** 256

**PLSS Search:**

**Township:** 15S

**Range:** 37E



# New Mexico Office of the State Engineer

## Point of Diversion Summary

|                                       |                   |                                    |               |                             |            |                        |                 |
|---------------------------------------|-------------------|------------------------------------|---------------|-----------------------------|------------|------------------------|-----------------|
|                                       |                   | (quarters are 1=NW 2=NE 3=SW 4=SE) |               |                             |            |                        |                 |
|                                       |                   | (quarters are smallest to largest) |               | (NAD83 UTM in meters)       |            |                        |                 |
| <b>Well Tag</b>                       | <b>POD Number</b> | <b>Q64</b>                         | <b>Q16</b>    | <b>Q4</b>                   | <b>Sec</b> | <b>Tws</b>             | <b>Rng</b>      |
|                                       |                   |                                    |               |                             |            |                        |                 |
| L                                     | 10685             | 2                                  | 3             | 02                          | 15S        | 37E                    | 670588 3657717* |
| <hr/>                                 |                   |                                    |               |                             |            |                        |                 |
| <b>Driller License:</b>               |                   | 854                                |               | <b>Driller Company:</b>     |            | GARY KIDD              |                 |
| <b>Driller Name:</b>                  |                   | KIDD, GARY (LD)                    |               |                             |            |                        |                 |
| <b>Drill Start Date:</b>              |                   | 06/20/1997                         |               | <b>Drill Finish Date:</b>   |            | 06/23/1997             |                 |
| <b>Log File Date:</b>                 |                   | 07/23/1997                         |               | <b>PCW Rcv Date:</b>        |            | <b>Plug Date:</b>      |                 |
| <b>Pump Type:</b>                     |                   |                                    |               | <b>Pipe Discharge Size:</b> |            | <b>Source:</b> Shallow |                 |
| <b>Casing Size:</b>                   |                   | 5.00                               |               | <b>Depth Well:</b>          |            | 150 feet               |                 |
|                                       |                   |                                    |               | <b>Estimated Yield:</b>     |            | 16 GPM                 |                 |
|                                       |                   |                                    |               | <b>Depth Water:</b>         |            | 84 feet                |                 |
| <hr/>                                 |                   |                                    |               |                             |            |                        |                 |
| <b>Water Bearing Stratifications:</b> |                   | <b>Top</b>                         | <b>Bottom</b> | <b>Description</b>          |            |                        |                 |
|                                       |                   | 84                                 | 150           | Other/Unknown               |            |                        |                 |
| <hr/>                                 |                   |                                    |               |                             |            |                        |                 |
| <b>Casing Perforations:</b>           |                   | <b>Top</b>                         | <b>Bottom</b> |                             |            |                        |                 |
|                                       |                   | 110                                | 150           |                             |            |                        |                 |
| <hr/>                                 |                   |                                    |               |                             |            |                        |                 |

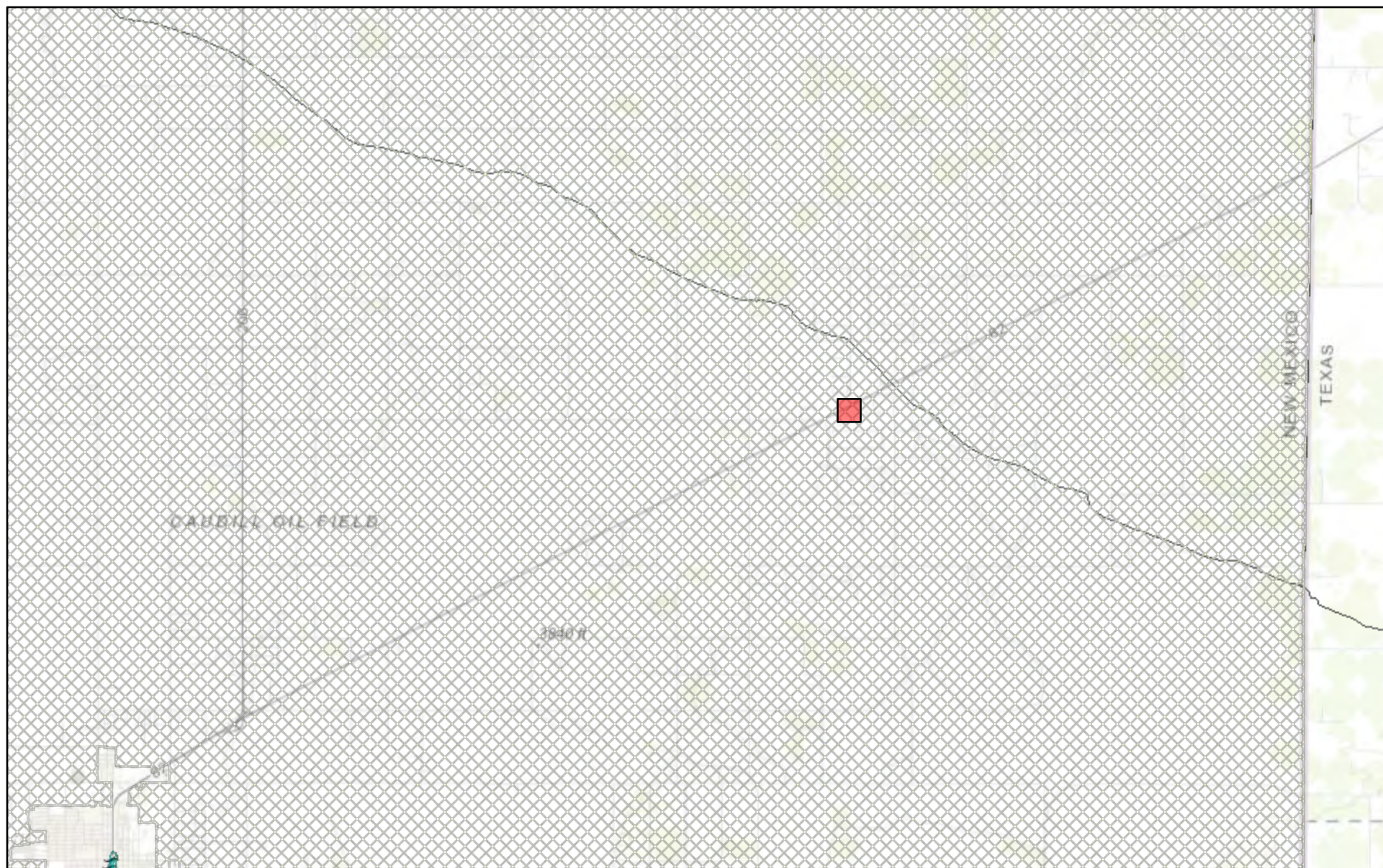
\*UTM location was derived from PLSS - see Help

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.

8/30/22 2:58 PM

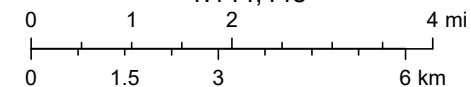
POINT OF DIVERSION SUMMARY

# New Mexico NFHL Data



October 26, 2022

1:144,448



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

## APPENDIX E

CARMONA RESOURCES





Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19825-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
10/5/2022 10:23:12 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19825-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 10 |
| QC Sample Results . . . . .      | 11 |
| QC Association Summary . . . . . | 17 |
| Lab Chronicle . . . . .          | 20 |
| Certification Summary . . . . .  | 22 |
| Method Summary . . . . .         | 23 |
| Sample Summary . . . . .         | 24 |
| Chain of Custody . . . . .       | 25 |
| Receipt Checklists . . . . .     | 26 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

**Job ID: 880-19825-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19825-1****Receipt**

The samples were received on 9/29/2022 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19825-1), BH2 (880-19825-2), BH3 (880-19825-3), BH4 (880-19825-4), BH5 (880-19825-5) and BH6 (880-19825-6).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35805 and analytical batch 880-35863 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (890-3075-A-1-B), (890-3075-A-1-C MS) and (890-3075-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-19834-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19825-1

Date Collected: 09/29/22 08:45

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 01:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 01:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:22 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 102       |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 17:22 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 17:22 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1570   |           | 24.9 |     | mg/Kg |   |          | 10/03/22 10:26 | 5       |

Client Sample ID: BH2

Lab Sample ID: 880-19825-2

Date Collected: 09/29/22 08:55

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 02:07 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19825-2

Date Collected: 09/29/22 08:55

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 102       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 02:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 98        |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 17:44 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 17:44 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 450    |           | 5.04 |     | mg/Kg |   |          | 10/03/22 10:41 | 1       |

Client Sample ID: BH3

Lab Sample ID: 880-19825-3

Date Collected: 09/29/22 09:05

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 02:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 02:27 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Client Sample ID: BH3

Lab Sample ID: 880-19825-3

Date Collected: 09/29/22 09:05

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 18:05 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 18:05 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 4020   |           | 25.2 |     | mg/Kg |   |          | 10/03/22 10:46 | 5       |

## Client Sample ID: BH4

Lab Sample ID: 880-19825-4

Date Collected: 09/29/22 09:15

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 02:47 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 18:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 18:27 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 18:27 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Client Sample ID: BH4

Lab Sample ID: 880-19825-4

Date Collected: 09/29/22 09:15

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2440   |           | 25.2 |     | mg/Kg |   |          | 10/03/22 10:51 | 5       |

## Client Sample ID: BH5

Lab Sample ID: 880-19825-5

Date Collected: 09/29/22 09:25

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 03:08 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 17:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 17:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 17:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 17:58 | 1       |
| o-Terphenyl                          | 81        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 17:58 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1660   |           | 25.2 |     | mg/Kg |   |          | 10/03/22 10:55 | 5       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Client Sample ID: BH6

Lab Sample ID: 880-19825-6

Date Collected: 09/29/22 09:35

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 03:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 03:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 107       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 03:28 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 18:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 18:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 18:19 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 18:19 | 1       |
| o-Terphenyl    | 84        |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 18:19 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3080   |           | 25.0 |     | mg/Kg |   |          | 10/03/22 11:00 | 5       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19823-A-1-E MS                | Matrix Spike           | 115                                            | 108               |
| 880-19823-A-1-F MSD               | Matrix Spike Duplicate | 112                                            | 104               |
| 880-19825-1                       | BH1                    | 115                                            | 103               |
| 880-19825-2                       | BH2                    | 111                                            | 102               |
| 880-19825-3                       | BH3                    | 114                                            | 101               |
| 880-19825-4                       | BH4                    | 117                                            | 102               |
| 880-19825-5                       | BH5                    | 114                                            | 105               |
| 880-19825-6                       | BH6                    | 118                                            | 107               |
| LCS 880-35822/1-A                 | Lab Control Sample     | 108                                            | 102               |
| LCSD 880-35822/2-A                | Lab Control Sample Dup | 108                                            | 102               |
| MB 880-35822/5-A                  | Method Blank           | 103                                            | 112               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19825-1             | BH1                    | 102                                            | 102               |
| 880-19825-2             | BH2                    | 98                                             | 92                |
| 880-19825-3             | BH3                    | 108                                            | 105               |
| 880-19825-4             | BH4                    | 107                                            | 105               |
| 880-19825-5             | BH5                    | 90                                             | 81                |
| 880-19825-6             | BH6                    | 92                                             | 84                |
| 880-19834-A-1-B MS      | Matrix Spike           | 124                                            | 80                |
| 880-19834-A-1-C MSD     | Matrix Spike Duplicate | 134 S1+                                        | 88                |
| 890-3075-A-1-C MS       | Matrix Spike           | 69 S1-                                         | 62 S1-            |
| 890-3075-A-1-D MSD      | Matrix Spike Duplicate | 68 S1-                                         | 62 S1-            |
| LCS 880-35754/2-A       | Lab Control Sample     | 101                                            | 98                |
| LCS 880-35805/2-A       | Lab Control Sample     | 95                                             | 91                |
| LCSD 880-35754/3-A      | Lab Control Sample Dup | 107                                            | 101               |
| LCSD 880-35805/3-A      | Lab Control Sample Dup | 109                                            | 103               |
| MB 880-35754/1-A        | Method Blank           | 115                                            | 108               |
| MB 880-35805/1-A        | Method Blank           | 109                                            | 99                |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

Lab Sample ID: LCS 880-35822/1-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09822    |               | mg/Kg |   | 98   | 70 - 130    |
| Toluene             | 0.100       | 0.1046     |               | mg/Kg |   | 105  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1051     |               | mg/Kg |   | 105  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2088     |               | mg/Kg |   | 104  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1021     |               | mg/Kg |   | 102  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 108           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-35822/2-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.08416     |                | mg/Kg |   | 84   | 70 - 130    | 15  | 35        |
| Toluene             | 0.100       | 0.08894     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| Ethylbenzene        | 0.100       | 0.08921     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1794      |                | mg/Kg |   | 90   | 70 - 130    | 15  | 35        |
| o-Xylene            | 0.100       | 0.08941     |                | mg/Kg |   | 89   | 70 - 130    | 13  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 108            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-19823-A-1-E MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35822

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00200      | U                | 0.0998      | 0.09243   |              | mg/Kg |   | 93   | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.09415   |              | mg/Kg |   | 94   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19823-A-1-E MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.0998      | 0.09096   |              | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.200       | 0.1819    |              | mg/Kg |   | 91   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.0998      | 0.08940   |              | mg/Kg |   | 90   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | MS Limits |
|-----------------------------|--------------|--------------|-----------|
| 4-Bromofluorobenzene (Surr) | 115          |              | 70 - 130  |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130  |

Lab Sample ID: 880-19823-A-1-F MSD

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0990      | 0.08515    |               | mg/Kg |   | 86   | 70 - 130    | 8   | 35        |
| Toluene             | <0.00200      | U                | 0.0990      | 0.08949    |               | mg/Kg |   | 90   | 70 - 130    | 5   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0990      | 0.08762    |               | mg/Kg |   | 88   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.198       | 0.1764     |               | mg/Kg |   | 89   | 70 - 130    | 3   | 35        |
| o-Xylene            | <0.00200      | U                | 0.0990      | 0.08698    |               | mg/Kg |   | 88   | 70 - 130    | 3   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | MSD Limits |
|-----------------------------|---------------|---------------|------------|
| 4-Bromofluorobenzene (Surr) | 112           |               | 70 - 130   |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35754/1-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | MB Limits | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|-----------|----------------|----------------|---------|
| 1-Chlorooctane | 115          |              | 70 - 130  | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| o-Terphenyl    | 108          |              | 70 - 130  | 09/30/22 08:47 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35754/2-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 753.2      |               | mg/Kg |   | 75   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 962.9      |               | mg/Kg |   | 96   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35754/2-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35754

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: LCSD 880-35754/3-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 781.3       |                | mg/Kg |   | 78   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 998.5       |                | mg/Kg |   | 100  | 70 - 130    | 4   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19834-A-1-B MS

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1040          |                  | 998         | 1890      |              | mg/Kg |   | 85   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1690          |                  | 998         | 2765      |              | mg/Kg |   | 108  | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 124       |           | 70 - 130 |
| o-Terphenyl    | 80        |           | 70 - 130 |

Lab Sample ID: 880-19834-A-1-C MSD

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1040          |                  | 999         | 1986       |               | mg/Kg |   | 94   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | 1690          |                  | 999         | 2948       |               | mg/Kg |   | 126  | 70 - 130    | 6   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 134       | S1+       | 70 - 130 |
| o-Terphenyl    | 88        |           | 70 - 130 |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-35805/1-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0           | U               | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109             |                 | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| o-Terphenyl                          | 99              |                 | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |

Lab Sample ID: LCS 880-35805/2-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 812.7            |                  | mg/Kg |   | 81   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 888.2            |                  | mg/Kg |   | 89   | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 95               |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 91               |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-35805/3-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 956.4             |                   | mg/Kg |   | 96   | 70 - 130       | 16  | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 991.8             |                   | mg/Kg |   | 99   | 70 - 130       | 11  | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 109               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 103               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 890-3075-A-1-C MS

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U F1                | 998            | 603.9        | F1              | mg/Kg |   | 61   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 188              | F1                  | 998            | 466.6        | F1              | mg/Kg |   | 28   | 70 - 130       |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-3075-A-1-C MS

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35805

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 69        | S1-       | 70 - 130 |
| o-Terphenyl    | 62        | S1-       | 70 - 130 |

Lab Sample ID: 890-3075-A-1-D MSD

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U F1             | 999         | 573.3      | F1            | mg/Kg |   | 57   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | 188           | F1               | 999         | 464.2      | F1            | mg/Kg |   | 28   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 68        | S1-       | 70 - 130 |
| o-Terphenyl    | 62        | S1-       | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 |     | mg/Kg |   |          | 10/03/22 08:45 | 1       |

Lab Sample ID: LCS 880-35802/2-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 242.9      |               | mg/Kg |   | 97   | 90 - 110    |

Lab Sample ID: LCSD 880-35802/3-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 267.5       |                | mg/Kg |   | 107  | 90 - 110    | 10  | 20        |

Lab Sample ID: 880-19823-A-1-C MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1750          | F1               | 1240        | 2742      | F1           | mg/Kg |   | 80   | 90 - 110    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-19823-A-1-D MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1750             | F1                  | 1240           | 2859          |                  | mg/Kg |   | 90   | 90 - 110       | 4   | 20           |

Lab Sample ID: 880-19824-A-5-C MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Chloride | 438              |                     | 252            | 678.0        |                 | mg/Kg |   | 96   | 90 - 110       |  |  |

Lab Sample ID: 880-19824-A-5-D MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 438              |                     | 252            | 677.7         |                  | mg/Kg |   | 95   | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## GC VOA

## Prep Batch: 35822

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19825-1         | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19825-2         | BH2                    | Total/NA  | Solid  | 5035   |            |
| 880-19825-3         | BH3                    | Total/NA  | Solid  | 5035   |            |
| 880-19825-4         | BH4                    | Total/NA  | Solid  | 5035   |            |
| 880-19825-5         | BH5                    | Total/NA  | Solid  | 5035   |            |
| 880-19825-6         | BH6                    | Total/NA  | Solid  | 5035   |            |
| MB 880-35822/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35822/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35822/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19823-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-19823-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36069

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19825-1         | BH1                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19825-2         | BH2                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19825-3         | BH3                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19825-4         | BH4                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19825-5         | BH5                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19825-6         | BH6                    | Total/NA  | Solid  | 8021B  | 35822      |
| MB 880-35822/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 35822      |
| LCS 880-35822/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35822      |
| LCSD 880-35822/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35822      |

## Analysis Batch: 36162

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19825-1   | BH1              | Total/NA  | Solid  | Total BTEX |            |
| 880-19825-2   | BH2              | Total/NA  | Solid  | Total BTEX |            |
| 880-19825-3   | BH3              | Total/NA  | Solid  | Total BTEX |            |
| 880-19825-4   | BH4              | Total/NA  | Solid  | Total BTEX |            |
| 880-19825-5   | BH5              | Total/NA  | Solid  | Total BTEX |            |
| 880-19825-6   | BH6              | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35736

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19825-1         | BH1                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19825-2         | BH2                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19825-3         | BH3                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19825-4         | BH4                    | Total/NA  | Solid  | 8015B NM | 35754      |
| MB 880-35754/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 35754      |
| LCS 880-35754/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35754      |
| LCSD 880-35754/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19834-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19834-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35754      |

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## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## GC Semi VOA

## Prep Batch: 35754

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-19825-1         | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19825-2         | BH2                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19825-3         | BH3                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19825-4         | BH4                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35754/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35754/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35754/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19834-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19834-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 35805

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-19825-5        | BH5                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19825-6        | BH6                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35805/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35805/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35805/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3075-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3075-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 35863

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19825-5        | BH5                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19825-6        | BH6                    | Total/NA  | Solid  | 8015B NM | 35805      |
| MB 880-35805/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 35805      |
| LCS 880-35805/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35805      |
| LCSD 880-35805/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35805      |
| 890-3075-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35805      |
| 890-3075-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35805      |

## Analysis Batch: 35958

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19825-1   | BH1              | Total/NA  | Solid  | 8015 NM |            |
| 880-19825-2   | BH2              | Total/NA  | Solid  | 8015 NM |            |
| 880-19825-3   | BH3              | Total/NA  | Solid  | 8015 NM |            |
| 880-19825-4   | BH4              | Total/NA  | Solid  | 8015 NM |            |
| 880-19825-5   | BH5              | Total/NA  | Solid  | 8015 NM |            |
| 880-19825-6   | BH6              | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35802

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 880-19825-1       | BH1                | Soluble   | Solid  | DI Leach |            |
| 880-19825-2       | BH2                | Soluble   | Solid  | DI Leach |            |
| 880-19825-3       | BH3                | Soluble   | Solid  | DI Leach |            |
| 880-19825-4       | BH4                | Soluble   | Solid  | DI Leach |            |
| 880-19825-5       | BH5                | Soluble   | Solid  | DI Leach |            |
| 880-19825-6       | BH6                | Soluble   | Solid  | DI Leach |            |
| MB 880-35802/1-A  | Method Blank       | Soluble   | Solid  | DI Leach |            |
| LCS 880-35802/2-A | Lab Control Sample | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

## HPLC/IC (Continued)

## Leach Batch: 35802 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-35802/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19823-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19823-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |
| 880-19824-A-5-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19824-A-5-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35924

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19825-1         | BH1                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19825-2         | BH2                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19825-3         | BH3                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19825-4         | BH4                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19825-5         | BH5                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19825-6         | BH6                    | Soluble   | Solid  | 300.0  | 35802      |
| MB 880-35802/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 35802      |
| LCS 880-35802/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35802      |
| LCSD 880-35802/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-A-5-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-A-5-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35802      |

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19825-1

Date Collected: 09/29/22 08:45

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 01:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 17:22       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 10:26       | CH      | EET MID |

Client Sample ID: BH2

Lab Sample ID: 880-19825-2

Date Collected: 09/29/22 08:55

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 02:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 17:44       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 10:41       | CH      | EET MID |

Client Sample ID: BH3

Lab Sample ID: 880-19825-3

Date Collected: 09/29/22 09:05

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 02:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 18:05       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 10:46       | CH      | EET MID |

Client Sample ID: BH4

Lab Sample ID: 880-19825-4

Date Collected: 09/29/22 09:15

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 02:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |

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## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19825-4

Date Collected: 09/29/22 09:15

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 18:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 10:51       | CH      | EET MID |

Client Sample ID: BH5

Lab Sample ID: 880-19825-5

Date Collected: 09/29/22 09:25

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 03:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 17:58       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 10:55       | CH      | EET MID |

Client Sample ID: BH6

Lab Sample ID: 880-19825-6

Date Collected: 09/29/22 09:35

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 03:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36162        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35958        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 18:19       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 11:00       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19825-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19825-1   | BH1              | Solid  | 09/29/22 08:45 | 09/29/22 15:53 | 0-6"  |
| 880-19825-2   | BH2              | Solid  | 09/29/22 08:55 | 09/29/22 15:53 | 0-6"  |
| 880-19825-3   | BH3              | Solid  | 09/29/22 09:05 | 09/29/22 15:53 | 0-6"  |
| 880-19825-4   | BH4              | Solid  | 09/29/22 09:15 | 09/29/22 15:53 | 0-6"  |
| 880-19825-5   | BH5              | Solid  | 09/29/22 09:25 | 09/29/22 15:53 | 0-6"  |
| 880-19825-6   | BH6              | Solid  | 09/29/22 09:35 | 09/29/22 15:53 | 0-6"  |



Laboratory Testing  
Eurofins Xenco

Houston TX (281) 240-4200 Dallas TX (214) 902-0300  
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334  
El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296  
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Chain of Custody

Work Order No: 19825

www.xenco.com Page 1 of 1

|                 |                        |                        |                                     |
|-----------------|------------------------|------------------------|-------------------------------------|
| Project Manager | Grant Huckabay         | Bill to (if different) |                                     |
| Company Name    | Fasken Oil and Ranch   | Company Name           |                                     |
| Address         | 6101 Holiday Hill Road | Address                |                                     |
| City, State ZIP | Midland TX 79707       | City State ZIP         |                                     |
| Phone           | 432-687-1777           | Email                  | granth@forl.com / addisong@forl.com |

|                     |                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                                    |
| Program             | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project    |                                                                                                                                                                    |
| Reporting Level II  | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>       |
| Deliverables        | EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                                  |

|                         |                 |                                                              |                                                                           |            |     |                  |  |  |  |  |  |  |  |  |  |                                               |                                                                 |  |
|-------------------------|-----------------|--------------------------------------------------------------|---------------------------------------------------------------------------|------------|-----|------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------|-----------------------------------------------------------------|--|
| Project Name            | DEXTON #5 SMD   | Turn Around                                                  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |     | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes                            |                                                                 |  |
| Project Number          |                 |                                                              |                                                                           |            |     |                  |  |  |  |  |  |  |  |  |  | None NO                                       | DI Water H <sub>2</sub> O                                       |  |
| Project Location        | LEA Co. NM      | Due Date                                                     | 3 Day                                                                     |            |     |                  |  |  |  |  |  |  |  |  |  | Cool Cool                                     | MeOH Me                                                         |  |
| Sampler's Name          | Addison Guelker | TAT starts the day received by the lab if received by 4:30pm |                                                                           |            |     |                  |  |  |  |  |  |  |  |  |  | HCL HC                                        | HNO <sub>3</sub> HN                                             |  |
| PO #                    |                 |                                                              |                                                                           |            |     |                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na                                                         |  |
| SAMPLE RECEIPT          | Temp Blank      | Yes                                                          | No                                                                        | Wet Ice    | Yes | No               |  |  |  |  |  |  |  |  |  |                                               | H <sub>3</sub> PO <sub>4</sub> HP                               |  |
| Samples Received Intact | Yes             | No                                                           | Thermometer ID                                                            |            |     |                  |  |  |  |  |  |  |  |  |  |                                               | NaHSO <sub>4</sub> NABIS                                        |  |
| Cooler Custody Seals    | Yes             | No                                                           | Correction Factor                                                         |            |     |                  |  |  |  |  |  |  |  |  |  |                                               | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |  |
| Sample Custody Seals    | Yes             | No                                                           | Temperature Reading                                                       |            |     |                  |  |  |  |  |  |  |  |  |  |                                               | Zn Acetate+NaOH Zn                                              |  |
| Total Containers        |                 |                                                              | Corrected Temperature                                                     |            |     |                  |  |  |  |  |  |  |  |  |  |                                               | NaOH+Ascorbic Acid SAPC                                         |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | EC | TPH 8015M | BTEX 8021B |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|----|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------|
| BH1                   | S      | 9/24/22      | 8:45         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
| BH2                   | S      |              | 8:55         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
| BH3                   | S      |              | 9:05         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
| BH4                   | S      |              | 9:15         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
| BH5                   | S      |              | 9:25         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
| BH6                   | S      |              | 9:35         | 0-6"  | G         | 1         | X  | X         | X          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
|                       | S      |              |              |       |           |           |    |           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
|                       | S      |              |              |       |           |           |    |           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
|                       | S      |              |              |       |           |           |    |           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |
|                       | S      |              |              |       |           |           |    |           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |



880-19825 Chain of Custody

|                                              |               |                  |          |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                 |                  |    |    |    |    |   |   |    |  |  |  |  |
|----------------------------------------------|---------------|------------------|----------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|-----------------|------------------|----|----|----|----|---|---|----|--|--|--|--|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM      | Texas 11 | Al    | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K  | Se         | Ag              | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |  |  |  |  |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010 |          | 8RCRA | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  | Hg | 1631 / 245 | 1 / 7470 / 7471 |                  |    |    |    |    |   |   |    |  |  |  |  |

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

|                             |                         |           |                             |                         |           |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 9/29/22   |                             |                         | 2         |
|                             |                         | 1552      |                             |                         | 4         |
|                             |                         |           |                             |                         | 6         |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19825-1

SDG Number: Lea Co, NM

Login Number: 19825

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19826-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

Authorized for release by:

10/4/2022 3:18:55 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19826-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 10 |
| QC Sample Results . . . . .      | 11 |
| QC Association Summary . . . . . | 16 |
| Lab Chronicle . . . . .          | 19 |
| Certification Summary . . . . .  | 21 |
| Method Summary . . . . .         | 22 |
| Sample Summary . . . . .         | 23 |
| Chain of Custody . . . . .       | 24 |
| Receipt Checklists . . . . .     | 25 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

**Job ID: 880-19826-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19826-1****Receipt**

The samples were received on 9/29/2022 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19826-1), BH2 (880-19826-2), BH3 (880-19826-3), BH4 (880-19826-4), BH5 (880-19826-5) and BH6 (880-19826-6).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (890-3075-A-1-B), (890-3075-A-1-C MS) and (890-3075-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35805 and analytical batch 880-35863 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19826-1

Date Collected: 09/29/22 08:46

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:13 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:03 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:03 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 19:03 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 19:03 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1180   |           | 24.8 |     | mg/Kg |   |          | 10/03/22 11:05 | 5       |

Client Sample ID: BH2

Lab Sample ID: 880-19826-2

Date Collected: 09/29/22 08:56

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:34 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:34 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19826-2

Date Collected: 09/29/22 08:56

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 99        |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:34 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:24 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 19:24 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 19:24 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 454    |           | 4.98 |     | mg/Kg |   |          | 10/03/22 11:10 | 1       |

Client Sample ID: BH3

Lab Sample ID: 880-19826-3

Date Collected: 09/29/22 09:06

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 12:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 12:55 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19826-3

Date Collected: 09/29/22 09:06

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 19:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 19:45 | 1       |
| o-Terphenyl                          | 92        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 19:45 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1640   | F1        | 25.2 |     | mg/Kg |   |          | 10/03/22 16:14 | 5       |

Client Sample ID: BH4

Lab Sample ID: 880-19826-4

Date Collected: 09/29/22 09:16

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 13:16 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 52.7   |           | 50.0 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:07 | 1       |
| Diesel Range Organics (Over C10-C28) | 52.7      |           | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 20:07 | 1       |
| o-Terphenyl                          | 86        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 20:07 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Client Sample ID: BH4

Lab Sample ID: 880-19826-4

Date Collected: 09/29/22 09:16

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 354    |           | 5.04 |     | mg/Kg |   |          | 10/03/22 16:29 | 1       |

## Client Sample ID: BH5

Lab Sample ID: 880-19826-5

Date Collected: 09/29/22 09:26

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| Ethylbenzene                | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| m-Xylene & p-Xylene         | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| o-Xylene                    | <0.00198  | U         | 0.00198  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| Xylenes, Total              | <0.00396  | U         | 0.00396  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 13:36 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:28 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 20:28 | 1       |
| o-Terphenyl                          | 88        |           | 70 - 130 |     |       |   | 09/30/22 11:17 | 10/01/22 20:28 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 337    |           | 5.02 |     | mg/Kg |   |          | 10/03/22 16:33 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Client Sample ID: BH6

Lab Sample ID: 880-19826-6

Date Collected: 09/29/22 09:36

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 1'

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 13:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 13:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 13:57 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 10/04/22 13:45 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 109    |           | 49.9 |     | mg/Kg |   |          | 10/03/22 11:31 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:50 | 1       |
| Diesel Range Organics (Over C10-C28) | 109    |           | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 20:50 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 20:50 | 1       |
| o-Terphenyl    | 97        |           | 70 - 130 | 09/30/22 11:17 | 10/01/22 20:50 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 293    |           | 4.98 |     | mg/Kg |   |          | 10/03/22 16:38 | 1       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19826-1                       | BH1                    | 110                                            | 93                |
| 880-19826-1 MS                    | BH1                    | 99                                             | 102               |
| 880-19826-1 MSD                   | BH1                    | 96                                             | 98                |
| 880-19826-2                       | BH2                    | 111                                            | 99                |
| 880-19826-3                       | BH3                    | 115                                            | 103               |
| 880-19826-4                       | BH4                    | 116                                            | 100               |
| 880-19826-5                       | BH5                    | 123                                            | 102               |
| 880-19826-6                       | BH6                    | 121                                            | 108               |
| LCS 880-35824/1-A                 | Lab Control Sample     | 83                                             | 93                |
| LCSD 880-35824/2-A                | Lab Control Sample Dup | 87                                             | 98                |
| MB 880-35824/5-A                  | Method Blank           | 94                                             | 82                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19826-1             | BH1                    | 110                                            | 99                |
| 880-19826-2             | BH2                    | 106                                            | 98                |
| 880-19826-3             | BH3                    | 100                                            | 92                |
| 880-19826-4             | BH4                    | 94                                             | 86                |
| 880-19826-5             | BH5                    | 96                                             | 88                |
| 880-19826-6             | BH6                    | 105                                            | 97                |
| 890-3075-A-1-C MS       | Matrix Spike           | 69 S1-                                         | 62 S1-            |
| 890-3075-A-1-D MSD      | Matrix Spike Duplicate | 68 S1-                                         | 62 S1-            |
| LCS 880-35805/2-A       | Lab Control Sample     | 95                                             | 91                |
| LCSD 880-35805/3-A      | Lab Control Sample Dup | 109                                            | 103               |
| MB 880-35805/1-A        | Method Blank           | 109                                            | 99                |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35824/5-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82           |              | 70 - 130 | 09/30/22 14:51 | 10/04/22 11:52 | 1       |

Lab Sample ID: LCS 880-35824/1-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1004     |               | mg/Kg |   | 100  | 70 - 130    |
| Toluene             | 0.100       | 0.1007     |               | mg/Kg |   | 101  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09668    |               | mg/Kg |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2011     |               | mg/Kg |   | 101  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1002     |               | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 83            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93            |               | 70 - 130 |

Lab Sample ID: LCSD 880-35824/2-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1036      |                | mg/Kg |   | 104  | 70 - 130    | 3   | 35        |
| Toluene             | 0.100       | 0.1037      |                | mg/Kg |   | 104  | 70 - 130    | 3   | 35        |
| Ethylbenzene        | 0.100       | 0.09909     |                | mg/Kg |   | 99   | 70 - 130    | 2   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2058      |                | mg/Kg |   | 103  | 70 - 130    | 2   | 35        |
| o-Xylene            | 0.100       | 0.1030      |                | mg/Kg |   | 103  | 70 - 130    | 3   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 87             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98             |                | 70 - 130 |

Lab Sample ID: 880-19826-1 MS

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35824

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201      | U                | 0.100       | 0.09434   |              | mg/Kg |   | 94   | 70 - 130    |
| Toluene | <0.00201      | U                | 0.100       | 0.09769   |              | mg/Kg |   | 97   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19826-1 MS

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00201      | U                | 0.100       | 0.09359   |              | mg/Kg |   | 93   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.200       | 0.1989    |              | mg/Kg |   | 99   | 70 - 130    |
| o-Xylene            | <0.00201      | U                | 0.100       | 0.1003    |              | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-19826-1 MSD

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U                | 0.0998      | 0.09755    |               | mg/Kg |   | 98   | 70 - 130    | 3   | 35        |
| Toluene             | <0.00201      | U                | 0.0998      | 0.09855    |               | mg/Kg |   | 98   | 70 - 130    | 1   | 35        |
| Ethylbenzene        | <0.00201      | U                | 0.0998      | 0.09317    |               | mg/Kg |   | 93   | 70 - 130    | 0   | 35        |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.200       | 0.1943     |               | mg/Kg |   | 97   | 70 - 130    | 2   | 35        |
| o-Xylene            | <0.00201      | U                | 0.0998      | 0.09791    |               | mg/Kg |   | 98   | 70 - 130    | 2   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35805/1-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 11:17 | 10/01/22 11:52 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109          |              | 70 - 130 | 09/30/22 11:17 | 10/01/22 11:52 | 1       |
| o-Terphenyl    | 99           |              | 70 - 130 | 09/30/22 11:17 | 10/01/22 11:52 | 1       |

Lab Sample ID: LCS 880-35805/2-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 812.7      |               | mg/Kg |   | 81   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 888.2      |               | mg/Kg |   | 89   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35805/2-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35805

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 95        |           | 70 - 130 |
| o-Terphenyl    | 91        |           | 70 - 130 |

Lab Sample ID: LCSD 880-35805/3-A

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 956.4       |                | mg/Kg |   | 96   | 70 - 130    | 16  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 991.8       |                | mg/Kg |   | 99   | 70 - 130    | 11  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 109       |           | 70 - 130 |
| o-Terphenyl    | 103       |           | 70 - 130 |

Lab Sample ID: 890-3075-A-1-C MS

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U F1             | 998         | 603.9     | F1           | mg/Kg |   | 61   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 188           | F1               | 998         | 466.6     | F1           | mg/Kg |   | 28   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 69        | S1-       | 70 - 130 |
| o-Terphenyl    | 62        | S1-       | 70 - 130 |

Lab Sample ID: 890-3075-A-1-D MSD

Matrix: Solid

Analysis Batch: 35863

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35805

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U F1             | 999         | 573.3      | F1            | mg/Kg |   | 57   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | 188           | F1               | 999         | 464.2      | F1            | mg/Kg |   | 28   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 68        | S1-       | 70 - 130 |
| o-Terphenyl    | 62        | S1-       | 70 - 130 |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 08:45 | 1       |

Lab Sample ID: LCS 880-35802/2-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.9         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-35802/3-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 267.5          |                   | mg/Kg |   | 107  | 90 - 110       | 10  | 20           |

Lab Sample ID: 880-19823-A-1-C MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1750             | F1                  | 1240           | 2742         | F1              | mg/Kg |   | 80   | 90 - 110       |

Lab Sample ID: 880-19823-A-1-D MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1750             | F1                  | 1240           | 2859          |                  | mg/Kg |   | 90   | 90 - 110       | 4   | 20           |

Lab Sample ID: 880-19824-A-5-C MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 438              |                     | 252            | 678.0        |                 | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: 880-19824-A-5-D MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 438              |                     | 252            | 677.7         |                  | mg/Kg |   | 95   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-35803/1-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 15:59 | 1       |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-35803/2-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 243.8      |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: LCSD 880-35803/3-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 245.3       |                | mg/Kg |   | 98   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-19826-3 MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: BH3

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1640          | F1               | 1260        | 2744      | F1           | mg/Kg |   | 88   | 90 - 110    |

Lab Sample ID: 880-19826-3 MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: BH3

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1640          | F1               | 1260        | 2751       | F1            | mg/Kg |   | 89   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## GC VOA

## Prep Batch: 35824

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19826-1        | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-2        | BH2                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-3        | BH3                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-4        | BH4                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-5        | BH5                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-6        | BH6                    | Total/NA  | Solid  | 5035   |            |
| MB 880-35824/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35824/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35824/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19826-1 MS     | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19826-1 MSD    | BH1                    | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36027

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19826-1        | BH1                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-2        | BH2                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-3        | BH3                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-4        | BH4                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-5        | BH5                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-6        | BH6                    | Total/NA  | Solid  | 8021B  | 35824      |
| MB 880-35824/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 35824      |
| LCS 880-35824/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35824      |
| LCSD 880-35824/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-1 MS     | BH1                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-1 MSD    | BH1                    | Total/NA  | Solid  | 8021B  | 35824      |

## Analysis Batch: 36061

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19826-1   | BH1              | Total/NA  | Solid  | Total BTEX |            |
| 880-19826-2   | BH2              | Total/NA  | Solid  | Total BTEX |            |
| 880-19826-3   | BH3              | Total/NA  | Solid  | Total BTEX |            |
| 880-19826-4   | BH4              | Total/NA  | Solid  | Total BTEX |            |
| 880-19826-5   | BH5              | Total/NA  | Solid  | Total BTEX |            |
| 880-19826-6   | BH6              | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 35805

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-19826-1        | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19826-2        | BH2                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19826-3        | BH3                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19826-4        | BH4                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19826-5        | BH5                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19826-6        | BH6                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35805/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35805/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35805/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3075-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3075-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## GC Semi VOA

## Analysis Batch: 35863

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19826-1        | BH1                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19826-2        | BH2                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19826-3        | BH3                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19826-4        | BH4                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19826-5        | BH5                    | Total/NA  | Solid  | 8015B NM | 35805      |
| 880-19826-6        | BH6                    | Total/NA  | Solid  | 8015B NM | 35805      |
| MB 880-35805/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 35805      |
| LCS 880-35805/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35805      |
| LCSD 880-35805/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35805      |
| 890-3075-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35805      |
| 890-3075-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35805      |

## Analysis Batch: 35973

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19826-1   | BH1              | Total/NA  | Solid  | 8015 NM |            |
| 880-19826-2   | BH2              | Total/NA  | Solid  | 8015 NM |            |
| 880-19826-3   | BH3              | Total/NA  | Solid  | 8015 NM |            |
| 880-19826-4   | BH4              | Total/NA  | Solid  | 8015 NM |            |
| 880-19826-5   | BH5              | Total/NA  | Solid  | 8015 NM |            |
| 880-19826-6   | BH6              | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35802

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19826-1         | BH1                    | Soluble   | Solid  | DI Leach |            |
| 880-19826-2         | BH2                    | Soluble   | Solid  | DI Leach |            |
| MB 880-35802/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35802/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35802/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19823-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19823-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |
| 880-19824-A-5-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19824-A-5-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 35803

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19826-3        | BH3                    | Soluble   | Solid  | DI Leach |            |
| 880-19826-4        | BH4                    | Soluble   | Solid  | DI Leach |            |
| 880-19826-5        | BH5                    | Soluble   | Solid  | DI Leach |            |
| 880-19826-6        | BH6                    | Soluble   | Solid  | DI Leach |            |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19826-3 MS     | BH3                    | Soluble   | Solid  | DI Leach |            |
| 880-19826-3 MSD    | BH3                    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35924

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-19826-1   | BH1              | Soluble   | Solid  | 300.0  | 35802      |
| 880-19826-2   | BH2              | Soluble   | Solid  | 300.0  | 35802      |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## HPLC/IC (Continued)

## Analysis Batch: 35924 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 880-35802/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 35802      |
| LCS 880-35802/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35802      |
| LCSD 880-35802/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-A-5-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-A-5-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35802      |

## Analysis Batch: 35998

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19826-3        | BH3                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-4        | BH4                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-5        | BH5                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-6        | BH6                    | Soluble   | Solid  | 300.0  | 35803      |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 35803      |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35803      |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-3 MS     | BH3                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-3 MSD    | BH3                    | Soluble   | Solid  | 300.0  | 35803      |

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19826-1

Date Collected: 09/29/22 08:46

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 12:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 19:03       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 11:05       | CH      | EET MID |

Client Sample ID: BH2

Lab Sample ID: 880-19826-2

Date Collected: 09/29/22 08:56

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 12:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 19:24       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 11:10       | CH      | EET MID |

Client Sample ID: BH3

Lab Sample ID: 880-19826-3

Date Collected: 09/29/22 09:06

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 12:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 19:45       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35998        | 10/03/22 16:14       | CH      | EET MID |

Client Sample ID: BH4

Lab Sample ID: 880-19826-4

Date Collected: 09/29/22 09:16

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 13:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

## Client Sample ID: BH4

## Lab Sample ID: 880-19826-4

Date Collected: 09/29/22 09:16

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 20:07       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 16:29       | CH      | EET MID |

## Client Sample ID: BH5

## Lab Sample ID: 880-19826-5

Date Collected: 09/29/22 09:26

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 13:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 20:28       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 16:33       | CH      | EET MID |

## Client Sample ID: BH6

## Lab Sample ID: 880-19826-6

Date Collected: 09/29/22 09:36

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 13:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36061        | 10/04/22 13:45       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35973        | 10/03/22 11:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35805        | 09/30/22 11:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35863        | 10/01/22 20:50       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 16:38       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

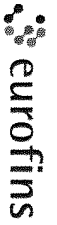
Eurofins Midland

## Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19826-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19826-1   | BH1              | Solid  | 09/29/22 08:46 | 09/29/22 15:53 | 1'    |
| 880-19826-2   | BH2              | Solid  | 09/29/22 08:56 | 09/29/22 15:53 | 1'    |
| 880-19826-3   | BH3              | Solid  | 09/29/22 09:06 | 09/29/22 15:53 | 1'    |
| 880-19826-4   | BH4              | Solid  | 09/29/22 09:16 | 09/29/22 15:53 | 1'    |
| 880-19826-5   | BH5              | Solid  | 09/29/22 09:26 | 09/29/22 15:53 | 1'    |
| 880-19826-6   | BH6              | Solid  | 09/29/22 09:36 | 09/29/22 15:53 | 1'    |



Environment Testing  
Xenco

Houston TX (281) 240-4200 Dallas TX (214) 902-0300  
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334  
El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296  
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Chain of Custody

Work Order No: 19826

www.xenco.com Page 1 of 1

|                 |                        |                        |                                    |
|-----------------|------------------------|------------------------|------------------------------------|
| Project Manager | Grant Huckabay         | Bill to (if different) |                                    |
| Company Name    | Fasken Oil and Ranch   | Company Name           |                                    |
| Address         | 6101 Holiday Hill Road | Address                |                                    |
| City State ZIP  | Midland TX 79707       | City, State ZIP        |                                    |
| Phone           | 432-687-1777           | Email                  | grant@forl.com / addisong@forl.com |

|                                                                                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |  |
| State of Project                                                                                                                                                                                    |  |
| Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>                     |  |
| Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                                                      |  |

|                         |                 |                                                              |                                                                           |            |     |    |
|-------------------------|-----------------|--------------------------------------------------------------|---------------------------------------------------------------------------|------------|-----|----|
| Project Name            | DENTON #5 SWD   | Turn Around                                                  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pass. Code |     |    |
| Project Number          |                 | Due Date                                                     | 3 DAY                                                                     |            |     |    |
| Project Location        | LEA Co. MA      | TAT starts the day received by the lab if received by 4:30pm |                                                                           |            |     |    |
| Sampler's Name          | Addison Guetker |                                                              |                                                                           |            |     |    |
| PO #                    |                 |                                                              |                                                                           |            |     |    |
| SAMPLE RECEIPT          | Temp Blank      | Yes                                                          | No                                                                        | Wet Ice    | Yes | No |
| Samples Received Intact | Yes             | No                                                           | Thermometer ID                                                            | IPB        |     |    |
| Cooler Custody Seals    | Yes             | No                                                           | Correction Factor                                                         | .25        |     |    |
| Sample Custody Seals    | Yes             | No                                                           | Temperature Reading                                                       | 4.7        |     |    |
| Total Containers        |                 | Corrected Temperature                                        | 4.4                                                                       |            |     |    |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Analysis Request | Preservative Codes                                              | Sample Comments           |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|-----------------------------------------------------------------|---------------------------|
| BH1                   | S      | 9/21/22      | 8:46         | 1'    | G         | 1         | X                | None NO                                                         | DI Water H <sub>2</sub> O |
| BH2                   | S      |              |              |       |           |           |                  | Cool Cool                                                       | MeOH Me                   |
| BH3                   | S      |              |              |       |           |           |                  | HCL HC                                                          | HNO <sub>3</sub> HN       |
| BH4                   | S      |              |              |       |           |           |                  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na                   |
| BH5                   | S      |              |              |       |           |           |                  | H <sub>3</sub> PO <sub>4</sub> HP                               |                           |
| BH6                   | S      |              |              |       |           |           |                  | NaHSO <sub>4</sub> NABIS                                        |                           |
|                       | S      |              |              |       |           |           |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                           |
|                       | S      |              |              |       |           |           |                  | Zn Acetate+NaOH Zn                                              |                           |
|                       | S      |              |              |       |           |           |                  | NaOH+Ascorbic Acid SAPC                                         |                           |



860-19826 Chain of Custody

|                                              |               |                      |                                                                                               |
|----------------------------------------------|---------------|----------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010     | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471            |

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

|                             |                         |           |                             |                         |           |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 9/21/22   |                             |                         |           |
|                             |                         | 1553      |                             |                         |           |
|                             |                         |           |                             |                         |           |
|                             |                         |           |                             |                         |           |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19826-1

SDG Number: Lea Co, NM

Login Number: 19826

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19824-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

Authorized for release by:

10/5/2022 10:23:12 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19824-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 10 |
| QC Sample Results . . . . .      | 11 |
| QC Association Summary . . . . . | 15 |
| Lab Chronicle . . . . .          | 17 |
| Certification Summary . . . . .  | 19 |
| Method Summary . . . . .         | 20 |
| Sample Summary . . . . .         | 21 |
| Chain of Custody . . . . .       | 22 |
| Receipt Checklists . . . . .     | 23 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

**Job ID: 880-19824-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19824-1****Receipt**

The samples were received on 9/29/2022 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19824-1), BH2 (880-19824-2), BH3 (880-19824-3), BH4 (880-19824-4), BH5 (880-19824-5) and BH6 (880-19824-6).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-19834-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19824-1

Date Collected: 09/29/22 08:47

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:14 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 102       |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 15:14 | 1       |
| o-Terphenyl    | 98        |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 15:14 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1260   |           | 25.1 |     | mg/Kg |   |          | 10/03/22 09:48 | 5       |

Client Sample ID: BH2

Lab Sample ID: 880-19824-2

Date Collected: 09/29/22 08:57

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:35 | 1       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19824-2

Date Collected: 09/29/22 08:57

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 104       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 15:36 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 15:36 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 464    |           | 4.98 |     | mg/Kg |   |          | 10/03/22 09:53 | 1       |

Client Sample ID: BH3

Lab Sample ID: 880-19824-3

Date Collected: 09/29/22 09:07

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 22:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 22:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 226    |           | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Client Sample ID: BH3

Lab Sample ID: 880-19824-3

Date Collected: 09/29/22 09:07

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:57 | 1       |
| Diesel Range Organics (Over C10-C28) | 226       |           | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 15:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 15:57 | 1       |
| o-Terphenyl                          | 100       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 15:57 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1200   |           | 24.8 |     | mg/Kg |   |          | 10/03/22 09:57 | 5       |

## Client Sample ID: BH4

Lab Sample ID: 880-19824-4

Date Collected: 09/29/22 09:17

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 23:16 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 112       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 16:18 | 1       |
| o-Terphenyl                          | 115       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 16:18 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19824-4

Date Collected: 09/29/22 09:17

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 304    |           | 4.97 |     | mg/Kg |   |          | 10/03/22 10:02 | 1       |

Client Sample ID: BH5

Lab Sample ID: 880-19824-5

Date Collected: 09/29/22 09:27

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/05/22 01:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 16:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 16:40 | 1       |
| o-Terphenyl                          | 103       |           | 70 - 130 |     |       |   | 09/30/22 08:47 | 09/30/22 16:40 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 438    |           | 5.03 |     | mg/Kg |   |          | 10/03/22 10:07 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Client Sample ID: BH6

Lab Sample ID: 880-19824-6

Date Collected: 09/29/22 09:37

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 2'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:23 | 10/05/22 01:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 125       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 01:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 09/30/22 14:23 | 10/05/22 01:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 17:01 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 17:01 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 09/30/22 08:47 | 09/30/22 17:01 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 435    |           | 4.97 |     | mg/Kg |   |          | 10/03/22 10:22 | 1       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19823-A-1-E MS                | Matrix Spike           | 115                                            | 108               |
| 880-19823-A-1-F MSD               | Matrix Spike Duplicate | 112                                            | 104               |
| 880-19824-1                       | BH1                    | 117                                            | 106               |
| 880-19824-2                       | BH2                    | 116                                            | 104               |
| 880-19824-3                       | BH3                    | 110                                            | 101               |
| 880-19824-4                       | BH4                    | 116                                            | 106               |
| 880-19824-5                       | BH5                    | 117                                            | 106               |
| 880-19824-6                       | BH6                    | 125                                            | 109               |
| LCS 880-35822/1-A                 | Lab Control Sample     | 108                                            | 102               |
| LCSD 880-35822/2-A                | Lab Control Sample Dup | 108                                            | 102               |
| MB 880-35822/5-A                  | Method Blank           | 103                                            | 112               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19824-1             | BH1                    | 102                                            | 98                |
| 880-19824-2             | BH2                    | 105                                            | 102               |
| 880-19824-3             | BH3                    | 106                                            | 100               |
| 880-19824-4             | BH4                    | 112                                            | 115               |
| 880-19824-5             | BH5                    | 102                                            | 103               |
| 880-19824-6             | BH6                    | 100                                            | 99                |
| 880-19834-A-1-B MS      | Matrix Spike           | 124                                            | 80                |
| 880-19834-A-1-C MSD     | Matrix Spike Duplicate | 134 S1+                                        | 88                |
| LCS 880-35754/2-A       | Lab Control Sample     | 101                                            | 98                |
| LCSD 880-35754/3-A      | Lab Control Sample Dup | 107                                            | 101               |
| MB 880-35754/1-A        | Method Blank           | 115                                            | 108               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

Lab Sample ID: LCS 880-35822/1-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09822    |               | mg/Kg |   | 98   | 70 - 130    |
| Toluene             | 0.100       | 0.1046     |               | mg/Kg |   | 105  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1051     |               | mg/Kg |   | 105  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2088     |               | mg/Kg |   | 104  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1021     |               | mg/Kg |   | 102  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 108           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-35822/2-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.08416     |                | mg/Kg |   | 84   | 70 - 130    | 15  | 35        |
| Toluene             | 0.100       | 0.08894     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| Ethylbenzene        | 0.100       | 0.08921     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1794      |                | mg/Kg |   | 90   | 70 - 130    | 15  | 35        |
| o-Xylene            | 0.100       | 0.08941     |                | mg/Kg |   | 89   | 70 - 130    | 13  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 108            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-19823-A-1-E MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35822

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00200      | U                | 0.0998      | 0.09243   |              | mg/Kg |   | 93   | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.09415   |              | mg/Kg |   | 94   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19823-A-1-E MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.0998      | 0.09096   |              | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.200       | 0.1819    |              | mg/Kg |   | 91   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.0998      | 0.08940   |              | mg/Kg |   | 90   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 115          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130 |

Lab Sample ID: 880-19823-A-1-F MSD

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0990      | 0.08515    |               | mg/Kg |   | 86   | 70 - 130    | 8   | 35        |
| Toluene             | <0.00200      | U                | 0.0990      | 0.08949    |               | mg/Kg |   | 90   | 70 - 130    | 5   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0990      | 0.08762    |               | mg/Kg |   | 88   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.198       | 0.1764     |               | mg/Kg |   | 89   | 70 - 130    | 3   | 35        |
| o-Xylene            | <0.00200      | U                | 0.0990      | 0.08698    |               | mg/Kg |   | 88   | 70 - 130    | 3   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 112           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35754/1-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:47 | 09/30/22 09:28 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 115          |              | 70 - 130 | 09/30/22 08:47 | 09/30/22 09:28 | 1       |
| o-Terphenyl    | 108          |              | 70 - 130 | 09/30/22 08:47 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35754/2-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35754

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 753.2      |               | mg/Kg |   | 75   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 962.9      |               | mg/Kg |   | 96   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35754/2-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35754

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: LCSD 880-35754/3-A

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35754

|                                      | Spike | LCSD   | LCSD      |       |   |      |          | %Rec |       |
|--------------------------------------|-------|--------|-----------|-------|---|------|----------|------|-------|
| Analyte                              | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD  | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | 1000  | 781.3  |           | mg/Kg |   | 78   | 70 - 130 | 4    | 20    |
| Diesel Range Organics (Over C10-C28) | 1000  | 998.5  |           | mg/Kg |   | 100  | 70 - 130 | 4    | 20    |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19834-A-1-B MS

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35754

|                                      | Sample | Sample    | Spike | MS     | MS        |       |   | %Rec |          |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |
| Gasoline Range Organics (GRO)-C6-C10 | 1040   |           | 998   | 1890   |           | mg/Kg |   | 85   | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1690   |           | 998   | 2765   |           | mg/Kg |   | 108  | 70 - 130 |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 124       |           | 70 - 130 |
| o-Terphenyl    | 80        |           | 70 - 130 |

Lab Sample ID: 880-19834-A-1-C MSD

Matrix: Solid

Analysis Batch: 35736

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35754

|                                      | Sample | Sample    | Spike | MSD    | MSD       |       |   | %Rec |          |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |
| Gasoline Range Organics (GRO)-C6-C10 | 1040   |           | 999   | 1986   |           | mg/Kg |   | 94   | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1690   |           | 999   | 2948   |           | mg/Kg |   | 126  | 70 - 130 |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 134       | S1+       | 70 - 130 |
| o-Terphenyl    | 88        |           | 70 - 130 |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 08:45 | 1       |

Lab Sample ID: LCS 880-35802/2-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.9         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-35802/3-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 267.5          |                   | mg/Kg |   | 107  | 90 - 110       | 10  | 20           |

Lab Sample ID: 880-19824-5 MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: BH5

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 438              |                     | 252            | 678.0        |                 | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: 880-19824-5 MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: BH5

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 438              |                     | 252            | 677.7         |                  | mg/Kg |   | 95   | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## GC VOA

## Prep Batch: 35822

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19824-1         | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19824-2         | BH2                    | Total/NA  | Solid  | 5035   |            |
| 880-19824-3         | BH3                    | Total/NA  | Solid  | 5035   |            |
| 880-19824-4         | BH4                    | Total/NA  | Solid  | 5035   |            |
| 880-19824-5         | BH5                    | Total/NA  | Solid  | 5035   |            |
| 880-19824-6         | BH6                    | Total/NA  | Solid  | 5035   |            |
| MB 880-35822/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35822/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35822/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19823-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-19823-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36069

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19824-1         | BH1                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19824-2         | BH2                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19824-3         | BH3                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19824-4         | BH4                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19824-5         | BH5                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19824-6         | BH6                    | Total/NA  | Solid  | 8021B  | 35822      |
| MB 880-35822/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 35822      |
| LCS 880-35822/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35822      |
| LCSD 880-35822/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-A-1-E MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-A-1-F MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35822      |

## Analysis Batch: 36161

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19824-1   | BH1              | Total/NA  | Solid  | Total BTEX |            |
| 880-19824-2   | BH2              | Total/NA  | Solid  | Total BTEX |            |
| 880-19824-3   | BH3              | Total/NA  | Solid  | Total BTEX |            |
| 880-19824-4   | BH4              | Total/NA  | Solid  | Total BTEX |            |
| 880-19824-5   | BH5              | Total/NA  | Solid  | Total BTEX |            |
| 880-19824-6   | BH6              | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35736

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19824-1         | BH1                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19824-2         | BH2                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19824-3         | BH3                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19824-4         | BH4                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19824-5         | BH5                    | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19824-6         | BH6                    | Total/NA  | Solid  | 8015B NM | 35754      |
| MB 880-35754/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 35754      |
| LCS 880-35754/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35754      |
| LCSD 880-35754/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19834-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35754      |
| 880-19834-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35754      |

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## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## GC Semi VOA

## Prep Batch: 35754

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-19824-1         | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19824-2         | BH2                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19824-3         | BH3                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19824-4         | BH4                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19824-5         | BH5                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19824-6         | BH6                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35754/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35754/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35754/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19834-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19834-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 35957

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19824-1   | BH1              | Total/NA  | Solid  | 8015 NM |            |
| 880-19824-2   | BH2              | Total/NA  | Solid  | 8015 NM |            |
| 880-19824-3   | BH3              | Total/NA  | Solid  | 8015 NM |            |
| 880-19824-4   | BH4              | Total/NA  | Solid  | 8015 NM |            |
| 880-19824-5   | BH5              | Total/NA  | Solid  | 8015 NM |            |
| 880-19824-6   | BH6              | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35802

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19824-1        | BH1                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-2        | BH2                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-3        | BH3                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-4        | BH4                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-5        | BH5                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-6        | BH6                    | Soluble   | Solid  | DI Leach |            |
| MB 880-35802/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35802/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35802/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19824-5 MS     | BH5                    | Soluble   | Solid  | DI Leach |            |
| 880-19824-5 MSD    | BH5                    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35924

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19824-1        | BH1                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-2        | BH2                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-3        | BH3                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-4        | BH4                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-5        | BH5                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-6        | BH6                    | Soluble   | Solid  | 300.0  | 35802      |
| MB 880-35802/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 35802      |
| LCS 880-35802/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35802      |
| LCSD 880-35802/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-5 MS     | BH5                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19824-5 MSD    | BH5                    | Soluble   | Solid  | 300.0  | 35802      |

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## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19824-1

Date Collected: 09/29/22 08:47

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 22:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 15:14       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 09:48       | CH      | EET MID |

Client Sample ID: BH2

Lab Sample ID: 880-19824-2

Date Collected: 09/29/22 08:57

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 22:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 15:36       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 09:53       | CH      | EET MID |

Client Sample ID: BH3

Lab Sample ID: 880-19824-3

Date Collected: 09/29/22 09:07

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 22:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 15:57       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 09:57       | CH      | EET MID |

Client Sample ID: BH4

Lab Sample ID: 880-19824-4

Date Collected: 09/29/22 09:17

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 23:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |

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## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

## Client Sample ID: BH4

Lab Sample ID: 880-19824-4

Date Collected: 09/29/22 09:17

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 16:18       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 10:02       | CH      | EET MID |

## Client Sample ID: BH5

Lab Sample ID: 880-19824-5

Date Collected: 09/29/22 09:27

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 01:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 16:40       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 10:07       | CH      | EET MID |

## Client Sample ID: BH6

Lab Sample ID: 880-19824-6

Date Collected: 09/29/22 09:37

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/05/22 01:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36161        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35957        | 10/03/22 11:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35754        | 09/30/22 08:47       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35736        | 09/30/22 17:01       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 10:22       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

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## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19824-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19824-1   | BH1              | Solid  | 09/29/22 08:47 | 09/29/22 15:53 | 2'    |
| 880-19824-2   | BH2              | Solid  | 09/29/22 08:57 | 09/29/22 15:53 | 2'    |
| 880-19824-3   | BH3              | Solid  | 09/29/22 09:07 | 09/29/22 15:53 | 2'    |
| 880-19824-4   | BH4              | Solid  | 09/29/22 09:17 | 09/29/22 15:53 | 2'    |
| 880-19824-5   | BH5              | Solid  | 09/29/22 09:27 | 09/29/22 15:53 | 2'    |
| 880-19824-6   | BH6              | Solid  | 09/29/22 09:37 | 09/29/22 15:53 | 2'    |

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Environmental Testing  
Xenco

Houston TX (281) 240-4200 Dallas TX (214) 902-0300  
Midland TX (432) 704-5440 San Antonio, TX (210) 509-3334  
El Paso TX (915) 565-3443 Lubbock, TX (806) 794-1296  
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Chain of Custody

Work Order No: 19824

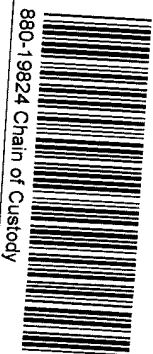
www.xenco.com Page 1 of 1

|                 |                        |                        |                                     |
|-----------------|------------------------|------------------------|-------------------------------------|
| Project Manager | Grant Huckabay         | Bill to (if different) |                                     |
| Company Name    | Fasken Oil and Ranch   | Company Name           |                                     |
| Address         | 6101 Holiday Hill Road | Address                |                                     |
| City, State ZIP | Midland TX 79707       | City, State ZIP        |                                     |
| Phone           | 432-687-1777           | Email                  | granth@ford.com / addisong@ford.com |

|                     |                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                                       |
| Program             | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |
| State of Project    |                                                                                                                                                                       |
| Reporting Level     | Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other                                                                                                     |

|                         |                   |                                                              |                                                                           |            |  |                  |  |                                   |                                                                 |
|-------------------------|-------------------|--------------------------------------------------------------|---------------------------------------------------------------------------|------------|--|------------------|--|-----------------------------------|-----------------------------------------------------------------|
| Project Name            | DEVELOP #5 SWP    | Turn Around                                                  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |  | ANALYSIS REQUEST |  | Preservative Codes                |                                                                 |
| Project Number          |                   | Due Date                                                     | 3/21/17                                                                   |            |  |                  |  | None NO DI Water H <sub>2</sub> O |                                                                 |
| Project Location        | LEA Co. NM        | TAT starts the day received by the lab if received by 4:30pm |                                                                           |            |  |                  |  |                                   | Cool Cool MeOH Me                                               |
| Sampler's Name          | Addison Guelker   |                                                              |                                                                           |            |  |                  |  |                                   | HCL HC HNO <sub>3</sub> HN                                      |
| PO #                    |                   |                                                              |                                                                           |            |  |                  |  |                                   | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na           |
| SAMPLE RECEIPT          | Temp Blank Yes No | Wet Ice Yes No                                               |                                                                           |            |  |                  |  |                                   | H <sub>3</sub> PO <sub>4</sub> HP                               |
| Samples Received Intact | Yes No            | Thermometer ID                                               |                                                                           |            |  |                  |  |                                   | NaHSO <sub>4</sub> NABIS                                        |
| Cooler Custody Seals    | Yes No            | Correction Factor                                            |                                                                           |            |  |                  |  |                                   | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |
| Sample Custody Seals    | Yes No            | Temperature Reading                                          |                                                                           |            |  |                  |  |                                   | Zn Acetate+NaOH Zn                                              |
| Total Containers        |                   | Corrected Temperature                                        |                                                                           |            |  |                  |  |                                   | NaOH+Ascorbic Acid SAMP                                         |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | EC | TPH 8015M | BTEX 8021B | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|----|-----------|------------|-----------------|
| BH1                   | S      | 9/29/22      | 8:47         | 2'    | G         | 1         | X  | X         | X          |                 |
| BH2                   | S      |              | 8:57         |       | G         | 1         |    |           |            |                 |
| BH3                   | S      |              | 9:07         |       | G         | 1         |    |           |            |                 |
| BH4                   | S      |              | 9:17         |       | G         | 1         |    |           |            |                 |
| BH5                   | S      |              | 9:27         |       | G         | 1         |    |           |            |                 |
| BH6                   | S      |              | 9:37         |       | G         | 1         |    |           |            |                 |
|                       | S      |              |              |       |           |           |    |           |            |                 |
|                       | S      |              |              |       |           |           |    |           |            |                 |
|                       | S      |              |              |       |           |           |    |           |            |                 |
|                       | S      |              |              |       |           |           |    |           |            |                 |



880-19824 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                             |                         |           |                             |                         |           |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 9/29/22   |                             |                         | 2         |
|                             |                         | 1553      |                             |                         | 4         |
|                             |                         |           |                             |                         | 6         |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19824-1

SDG Number: Lea Co, NM

Login Number: 19824

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19823-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

10/5/2022 10:19:19 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

Review your project  
results through



Have a Question?



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19823-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 10 |
| QC Sample Results . . . . .      | 11 |
| QC Association Summary . . . . . | 15 |
| Lab Chronicle . . . . .          | 17 |
| Certification Summary . . . . .  | 19 |
| Method Summary . . . . .         | 20 |
| Sample Summary . . . . .         | 21 |
| Chain of Custody . . . . .       | 22 |
| Receipt Checklists . . . . .     | 23 |

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

**Job ID: 880-19823-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19823-1****Receipt**

The samples were received on 9/29/2022 3:53 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19823-1), BH2 (880-19823-2), BH3 (880-19823-3), BH4 (880-19823-4), BH5 (880-19823-5) and BH6 (880-19823-6).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19823-1

Date Collected: 09/29/22 08:48

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:12 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:14 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 89        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 15:14 | 1       |
| o-Terphenyl    | 94        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 15:14 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1750   | F1        | 24.8 |     | mg/Kg |   |          | 10/03/22 08:59 | 5       |

Client Sample ID: BH2

Lab Sample ID: 880-19823-2

Date Collected: 09/29/22 08:58

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:32 | 1       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19823-2

Date Collected: 09/29/22 08:58

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 106       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 15:36 | 1       |
| o-Terphenyl                          | 94        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 15:36 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 733    |           | 25.0 |     | mg/Kg |   |          | 10/03/22 09:14 | 5       |

Client Sample ID: BH3

Lab Sample ID: 880-19823-3

Date Collected: 09/29/22 09:08

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 20:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 20:53 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19823-3

Date Collected: 09/29/22 09:08

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 15:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 15:57 | 1       |
| o-Terphenyl                          | 94        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 15:57 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2580   |           | 25.0 |     | mg/Kg |   |          | 10/03/22 09:19 | 5       |

Client Sample ID: BH4

Lab Sample ID: 880-19823-4

Date Collected: 09/29/22 09:18

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 21:13 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 16:18 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 16:18 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19823-4

Date Collected: 09/29/22 09:18

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 316    |           | 4.96 |     | mg/Kg |   |          | 10/03/22 09:23 | 1       |

Client Sample ID: BH5

Lab Sample ID: 880-19823-5

Date Collected: 09/29/22 09:28

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 09/30/22 14:23 | 10/04/22 21:34 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 16:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 16:40 | 1       |
| o-Terphenyl                          | 103       |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 16:40 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 442    |           | 5.01 |     | mg/Kg |   |          | 10/03/22 09:28 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH6

Lab Sample ID: 880-19823-6

Date Collected: 09/29/22 09:38

Matrix: Solid

Date Received: 09/29/22 15:53

Sample Depth: 3'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 21:54 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 21:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 09/30/22 14:23 | 10/04/22 21:54 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 10/05/22 10:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:01 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 84        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 17:01 | 1       |
| o-Terphenyl    | 88        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 17:01 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 255    |           | 5.02 |     | mg/Kg |   |          | 10/03/22 09:43 | 1       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19823-1                       | BH1                    | 111                                            | 100               |
| 880-19823-1 MS                    | BH1                    | 115                                            | 108               |
| 880-19823-1 MSD                   | BH1                    | 112                                            | 104               |
| 880-19823-2                       | BH2                    | 111                                            | 106               |
| 880-19823-3                       | BH3                    | 114                                            | 108               |
| 880-19823-4                       | BH4                    | 117                                            | 106               |
| 880-19823-5                       | BH5                    | 114                                            | 102               |
| 880-19823-6                       | BH6                    | 115                                            | 102               |
| LCS 880-35822/1-A                 | Lab Control Sample     | 108                                            | 102               |
| LCSD 880-35822/2-A                | Lab Control Sample Dup | 108                                            | 102               |
| MB 880-35822/5-A                  | Method Blank           | 103                                            | 112               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19823-1             | BH1                    | 89                                             | 94                |
| 880-19823-2             | BH2                    | 91                                             | 94                |
| 880-19823-3             | BH3                    | 90                                             | 94                |
| 880-19823-4             | BH4                    | 86                                             | 90                |
| 880-19823-5             | BH5                    | 96                                             | 103               |
| 880-19823-6             | BH6                    | 84                                             | 88                |
| 880-19829-A-1-C MS      | Matrix Spike           | 74                                             | 67 S1-            |
| 880-19829-A-1-D MSD     | Matrix Spike Duplicate | 78                                             | 73                |
| LCS 880-35755/2-A       | Lab Control Sample     | 107                                            | 113               |
| LCSD 880-35755/3-A      | Lab Control Sample Dup | 101                                            | 101               |
| MB 880-35755/1-A        | Method Blank           | 104                                            | 113               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 112          |              | 70 - 130 | 09/30/22 14:23 | 10/04/22 19:43 | 1       |

Lab Sample ID: LCS 880-35822/1-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09822    |               | mg/Kg |   | 98   | 70 - 130    |
| Toluene             | 0.100       | 0.1046     |               | mg/Kg |   | 105  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1051     |               | mg/Kg |   | 105  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2088     |               | mg/Kg |   | 104  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1021     |               | mg/Kg |   | 102  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 108           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-35822/2-A

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35822

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.08416     |                | mg/Kg |   | 84   | 70 - 130    | 15  | 35        |
| Toluene             | 0.100       | 0.08894     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| Ethylbenzene        | 0.100       | 0.08921     |                | mg/Kg |   | 89   | 70 - 130    | 16  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1794      |                | mg/Kg |   | 90   | 70 - 130    | 15  | 35        |
| o-Xylene            | 0.100       | 0.08941     |                | mg/Kg |   | 89   | 70 - 130    | 13  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 108            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-19823-1 MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35822

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00200      | U                | 0.0998      | 0.09243   |              | mg/Kg |   | 93   | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.09415   |              | mg/Kg |   | 94   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19823-1 MS

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35822

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00200      | U                | 0.0998      | 0.09096   |              | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00401      | U                | 0.200       | 0.1819    |              | mg/Kg |   | 91   | 70 - 130    |
| o-Xylene                    | <0.00200      | U                | 0.0998      | 0.08940   |              | mg/Kg |   | 90   | 70 - 130    |
| Surrogate                   | MS %Recovery  | MS Qualifier     | MS Limits   |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 115           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 108           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-19823-1 MSD

Matrix: Solid

Analysis Batch: 36069

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35822

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00200      | U                | 0.0990      | 0.08515    |               | mg/Kg |   | 86   | 70 - 130    | 8   | 35        |
| Toluene                     | <0.00200      | U                | 0.0990      | 0.08949    |               | mg/Kg |   | 90   | 70 - 130    | 5   | 35        |
| Ethylbenzene                | <0.00200      | U                | 0.0990      | 0.08762    |               | mg/Kg |   | 88   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene         | <0.00401      | U                | 0.198       | 0.1764     |               | mg/Kg |   | 89   | 70 - 130    | 3   | 35        |
| o-Xylene                    | <0.00200      | U                | 0.0990      | 0.08698    |               | mg/Kg |   | 88   | 70 - 130    | 3   | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | MSD Limits  |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 112           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 104           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35755/1-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | MB Result    | MB Qualifier | RL        | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|-----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | MB Limits |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104          |              | 70 - 130  |     |       |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| o-Terphenyl                          | 113          |              | 70 - 130  |     |       |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1023       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 995.8      |               | mg/Kg |   | 100  | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35755/2-A  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 35755

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: LCSD 880-35755/3-A  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 939.2       |                | mg/Kg |   | 94   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 896.6       |                | mg/Kg |   | 90   | 70 - 130    | 10  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19829-A-1-C MS  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 727.0     |              | mg/Kg |   | 71   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 758.3     |              | mg/Kg |   | 74   | 70 - 130    |     |           |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 74        |           | 70 - 130 |
| o-Terphenyl    | 67        | S1-       | 70 - 130 |

Lab Sample ID: 880-19829-A-1-D MSD  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 731.1      |               | mg/Kg |   | 72   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 827.6      |               | mg/Kg |   | 81   | 70 - 130    | 9   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 78        |           | 70 - 130 |
| o-Terphenyl    | 73        |           | 70 - 130 |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 08:45 | 1       |

Lab Sample ID: LCS 880-35802/2-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.9         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-35802/3-A

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 267.5          |                   | mg/Kg |   | 107  | 90 - 110       | 10  | 20           |

Lab Sample ID: 880-19823-1 MS

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: BH1

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1750             | F1                  | 1240           | 2742         | F1              | mg/Kg |   | 80   | 90 - 110       |

Lab Sample ID: 880-19823-1 MSD

Matrix: Solid

Analysis Batch: 35924

Client Sample ID: BH1

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1750             | F1                  | 1240           | 2859          |                  | mg/Kg |   | 90   | 90 - 110       | 4   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## GC VOA

## Prep Batch: 35822

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19823-1        | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-2        | BH2                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-3        | BH3                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-4        | BH4                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-5        | BH5                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-6        | BH6                    | Total/NA  | Solid  | 5035   |            |
| MB 880-35822/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35822/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35822/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19823-1 MS     | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19823-1 MSD    | BH1                    | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36069

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19823-1        | BH1                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-2        | BH2                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-3        | BH3                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-4        | BH4                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-5        | BH5                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-6        | BH6                    | Total/NA  | Solid  | 8021B  | 35822      |
| MB 880-35822/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 35822      |
| LCS 880-35822/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35822      |
| LCSD 880-35822/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-1 MS     | BH1                    | Total/NA  | Solid  | 8021B  | 35822      |
| 880-19823-1 MSD    | BH1                    | Total/NA  | Solid  | 8021B  | 35822      |

## Analysis Batch: 36160

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19823-1   | BH1              | Total/NA  | Solid  | Total BTEX |            |
| 880-19823-2   | BH2              | Total/NA  | Solid  | Total BTEX |            |
| 880-19823-3   | BH3              | Total/NA  | Solid  | Total BTEX |            |
| 880-19823-4   | BH4              | Total/NA  | Solid  | Total BTEX |            |
| 880-19823-5   | BH5              | Total/NA  | Solid  | Total BTEX |            |
| 880-19823-6   | BH6              | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35738

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19823-1         | BH1                    | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19823-2         | BH2                    | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19823-3         | BH3                    | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19823-4         | BH4                    | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19823-5         | BH5                    | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19823-6         | BH6                    | Total/NA  | Solid  | 8015B NM | 35755      |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 35755      |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35755      |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35755      |

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## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

## GC Semi VOA

## Prep Batch: 35755

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-19823-1         | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19823-2         | BH2                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19823-3         | BH3                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19823-4         | BH4                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19823-5         | BH5                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19823-6         | BH6                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 35976

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19823-1   | BH1              | Total/NA  | Solid  | 8015 NM |            |
| 880-19823-2   | BH2              | Total/NA  | Solid  | 8015 NM |            |
| 880-19823-3   | BH3              | Total/NA  | Solid  | 8015 NM |            |
| 880-19823-4   | BH4              | Total/NA  | Solid  | 8015 NM |            |
| 880-19823-5   | BH5              | Total/NA  | Solid  | 8015 NM |            |
| 880-19823-6   | BH6              | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35802

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19823-1        | BH1                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-2        | BH2                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-3        | BH3                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-4        | BH4                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-5        | BH5                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-6        | BH6                    | Soluble   | Solid  | DI Leach |            |
| MB 880-35802/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35802/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35802/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19823-1 MS     | BH1                    | Soluble   | Solid  | DI Leach |            |
| 880-19823-1 MSD    | BH1                    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35924

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19823-1        | BH1                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-2        | BH2                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-3        | BH3                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-4        | BH4                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-5        | BH5                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-6        | BH6                    | Soluble   | Solid  | 300.0  | 35802      |
| MB 880-35802/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 35802      |
| LCS 880-35802/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35802      |
| LCSD 880-35802/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-1 MS     | BH1                    | Soluble   | Solid  | 300.0  | 35802      |
| 880-19823-1 MSD    | BH1                    | Soluble   | Solid  | 300.0  | 35802      |

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## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19823-1

Date Collected: 09/29/22 08:48

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 20:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 15:14       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 08:59       | CH      | EET MID |

Client Sample ID: BH2

Lab Sample ID: 880-19823-2

Date Collected: 09/29/22 08:58

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 20:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 15:36       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 09:14       | CH      | EET MID |

Client Sample ID: BH3

Lab Sample ID: 880-19823-3

Date Collected: 09/29/22 09:08

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 20:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 15:57       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35924        | 10/03/22 09:19       | CH      | EET MID |

Client Sample ID: BH4

Lab Sample ID: 880-19823-4

Date Collected: 09/29/22 09:18

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 21:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19823-4

Date Collected: 09/29/22 09:18

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 16:18       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 09:23       | CH      | EET MID |

Client Sample ID: BH5

Lab Sample ID: 880-19823-5

Date Collected: 09/29/22 09:28

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 21:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 16:40       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 09:28       | CH      | EET MID |

Client Sample ID: BH6

Lab Sample ID: 880-19823-6

Date Collected: 09/29/22 09:38

Matrix: Solid

Date Received: 09/29/22 15:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 35822        | 09/30/22 14:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36069        | 10/04/22 21:54       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36160        | 10/05/22 10:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35976        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 17:01       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 35802        | 09/30/22 10:54       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35924        | 10/03/22 09:43       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19823-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19823-1   | BH1              | Solid  | 09/29/22 08:48 | 09/29/22 15:53 | 3'    |
| 880-19823-2   | BH2              | Solid  | 09/29/22 08:58 | 09/29/22 15:53 | 3'    |
| 880-19823-3   | BH3              | Solid  | 09/29/22 09:08 | 09/29/22 15:53 | 3'    |
| 880-19823-4   | BH4              | Solid  | 09/29/22 09:18 | 09/29/22 15:53 | 3'    |
| 880-19823-5   | BH5              | Solid  | 09/29/22 09:28 | 09/29/22 15:53 | 3'    |
| 880-19823-6   | BH6              | Solid  | 09/29/22 09:38 | 09/29/22 15:53 | 3'    |



Environmental Testing  
Xenoco

Houston TX (281) 240-4200 Dallas TX (214) 902-0300  
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334  
El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296  
Hobbs NM (575) 392-7550 Carlsbad NM (575) 968-3199

Chain of Custody

Work Order No: 19823

www.xenoco.com Page 1 of 1

|                 |                        |                        |                                               |
|-----------------|------------------------|------------------------|-----------------------------------------------|
| Project Manager | Grant Huckabay         | Bill to (if different) |                                               |
| Company Name    | Fasken Oil and Ranch   | Company Name           |                                               |
| Address         | 6101 Holiday Hill Road | Address                |                                               |
| City, State ZIP | Midland TX 79707       | City, State ZIP        |                                               |
| Phone           | 432-687-1777           | Email                  | grant.huckabay@foil.com / addisonong@foil.com |

|                     |                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                                       |
| Program             | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |
| State of Project    |                                                                                                                                                                       |
| Reporting Level     | Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other <input type="checkbox"/>                                                                            |

|                         |                 |                                                                           |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |                                                                 |                     |                                   |  |
|-------------------------|-----------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|---------------------------------------------------------------------|--|--|--|--|--|--|--|--|-----------------------------------------------------------------|---------------------|-----------------------------------|--|
| Project Name            | Denton #3 SWD   | Turn Around                                                               | Pres. Code                                                          | ANALYSIS REQUEST |                                                                     |  |  |  |  |  |  |  |  | Preservative Codes                                              |                     |                                   |  |
| Project Number          |                 | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |                                                                 | None NO             | DI Water H <sub>2</sub> O         |  |
| Project Location        | LEA Co. NM      | Due Date                                                                  | 3 DAY                                                               |                  |                                                                     |  |  |  |  |  |  |  |  |                                                                 | Cool Cool           | MeOH Me                           |  |
| Sampler's Name          | Addison Guelker | TAT starts the day received by the lab if received by 4:30pm              |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  | HCL HC                                                          | HNO <sub>3</sub> HN |                                   |  |
| PO #                    |                 |                                                                           |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na             |                                   |  |
| SAMPLE RECEIPT          |                 | Temp Blank                                                                | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice          | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |  |  |  |  |  |  |  |                                                                 |                     | H <sub>3</sub> PO <sub>4</sub> HP |  |
| Samples Received Intact |                 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Thermometer ID                                                      |                  |                                                                     |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> NABIS                                        |                     |                                   |  |
| Cooler Custody Seals    |                 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Correction Factor                                                   |                  |                                                                     |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                     |                                   |  |
| Sample Custody Seals    |                 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Temperature Reading                                                 |                  |                                                                     |  |  |  |  |  |  |  |  | Zn Acetate+NaOH Zn                                              |                     |                                   |  |
| Total Containers        |                 | Corrected Temperature                                                     |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid SAPC                                         |                     |                                   |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | TPH 8015M | BTEX 8021B | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------|------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| BH1                   | S      | 9/29/22      | 8:48         | 2'    | G         | 1         | X         | X          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH2                   | S      |              | 8:58         |       | G         | 1         |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH3                   | S      |              | 9:08         |       | G         | 1         |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH4                   | S      |              | 9:18         |       | G         | 1         |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH5                   | S      |              | 9:28         |       | G         | 1         |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BH6                   | S      |              | 9:38         |       | G         | 1         |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | S      |              |              |       |           |           |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | S      |              |              |       |           |           |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | S      |              |              |       |           |           |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       | S      |              |              |       |           |           |           |            |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



880-19823 Chain of Custody

|                                              |               |                      |                                                                                               |
|----------------------------------------------|---------------|----------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010     | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471            |

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

|                             |                         |           |                             |                         |           |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
| Atti G.M.                   | U.S.V.                  | 9/29/22   |                             |                         | 2         |
|                             |                         | 1553      |                             |                         | 4         |
|                             |                         |           |                             |                         | 6         |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19823-1

SDG Number: Lea Co, NM

Login Number: 19823

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19827-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

**For:**

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

10/4/2022 8:03:40 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

#### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19827-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 10 |
| QC Sample Results . . . . .      | 11 |
| QC Association Summary . . . . . | 15 |
| Lab Chronicle . . . . .          | 18 |
| Certification Summary . . . . .  | 20 |
| Method Summary . . . . .         | 21 |
| Sample Summary . . . . .         | 22 |
| Chain of Custody . . . . .       | 23 |
| Receipt Checklists . . . . .     | 24 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| SQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

**Job ID: 880-19827-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19827-1****Receipt**

The samples were received on 9/29/2022 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19827-1), BH2 (880-19827-2), BH3 (880-19827-3), BH4 (880-19827-4), BH5 (880-19827-5) and BH6 (880-19827-6).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19827-1

Date Collected: 09/29/22 08:49

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 12:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 12:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 12:57 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 09/30/22 15:02 | 10/01/22 12:57 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 09/30/22 15:02 | 10/01/22 12:57 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2280   |           | 24.8 |     | mg/Kg |   |          | 10/03/22 16:43 | 5       |

Client Sample ID: BH2

Lab Sample ID: 880-19827-2

Date Collected: 09/29/22 08:59

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:28 | 1       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19827-2

Date Collected: 09/29/22 08:59

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 102       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:28 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:01 | 1       |
| o-Terphenyl                          | 94        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:01 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 761    |           | 4.96 |     | mg/Kg |   |          | 10/03/22 16:58 | 1       |

Client Sample ID: BH3

Lab Sample ID: 880-19827-3

Date Collected: 09/29/22 09:09

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 18:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 18:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Client Sample ID: BH3

Lab Sample ID: 880-19827-3

Date Collected: 09/29/22 09:09

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:23 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:23 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1630   |           | 50.4 |     | mg/Kg |   |          | 10/03/22 17:03 | 10      |

## Client Sample ID: BH4

Lab Sample ID: 880-19827-4

Date Collected: 09/29/22 09:19

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 19:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 14:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:44 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 14:44 | 1       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Client Sample ID: BH4

Lab Sample ID: 880-19827-4

Date Collected: 09/29/22 09:19

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 518    |           | 4.99 |     | mg/Kg |   |          | 10/03/22 17:07 | 1       |

## Client Sample ID: BH5

Lab Sample ID: 880-19827-5

Date Collected: 09/29/22 09:29

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |     |       |   | 09/30/22 14:51 | 10/04/22 19:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 97        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 15:06 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 15:06 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 572    |           | 24.9 |     | mg/Kg |   |          | 10/03/22 17:12 | 5       |

Eurofins Midland

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Client Sample ID: BH6

Lab Sample ID: 880-19827-6

Date Collected: 09/29/22 09:39

Matrix: Solid

Date Received: 09/29/22 16:15

Sample Depth: 4'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 19:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 19:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 09/30/22 14:51 | 10/04/22 19:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/04/22 20:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 15:27 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 94        |           | 70 - 130 | 09/30/22 15:02 | 10/01/22 15:27 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 09/30/22 15:02 | 10/01/22 15:27 | 1       |

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 322    |           | 5.01 |     | mg/Kg |   |          | 10/03/22 17:17 | 1       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19826-A-1-C MS                | Matrix Spike           | 99                                             | 102               |
| 880-19826-A-1-D MSD               | Matrix Spike Duplicate | 96                                             | 98                |
| 880-19827-1                       | BH1                    | 117                                            | 102               |
| 880-19827-2                       | BH2                    | 122                                            | 102               |
| 880-19827-3                       | BH3                    | 119                                            | 100               |
| 880-19827-4                       | BH4                    | 123                                            | 102               |
| 880-19827-5                       | BH5                    | 123                                            | 101               |
| 880-19827-6                       | BH6                    | 121                                            | 100               |
| LCS 880-35824/1-A                 | Lab Control Sample     | 83                                             | 93                |
| LCSD 880-35824/2-A                | Lab Control Sample Dup | 87                                             | 98                |
| MB 880-35824/5-A                  | Method Blank           | 94                                             | 82                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19827-1             | BH1                    | 99                                             | 110               |
| 880-19827-1 MS          | BH1                    | 75                                             | 78                |
| 880-19827-1 MSD         | BH1                    | 74                                             | 76                |
| 880-19827-2             | BH2                    | 84                                             | 94                |
| 880-19827-3             | BH3                    | 85                                             | 98                |
| 880-19827-4             | BH4                    | 79                                             | 90                |
| 880-19827-5             | BH5                    | 97                                             | 107               |
| 880-19827-6             | BH6                    | 94                                             | 106               |
| LCS 880-35829/2-A       | Lab Control Sample     | 114                                            | 126               |
| LCSD 880-35829/3-A      | Lab Control Sample Dup | 95                                             | 106               |
| MB 880-35829/1-A        | Method Blank           | 99                                             | 114               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35824/5-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 09/30/22 14:51 | 10/04/22 11:52 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 09/30/22 14:51 | 10/04/22 11:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82           |              | 70 - 130 | 09/30/22 14:51 | 10/04/22 11:52 | 1       |

Lab Sample ID: LCS 880-35824/1-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1004     |               | mg/Kg |   | 100  | 70 - 130    |
| Toluene             | 0.100       | 0.1007     |               | mg/Kg |   | 101  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09668    |               | mg/Kg |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2011     |               | mg/Kg |   | 101  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1002     |               | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 83            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93            |               | 70 - 130 |

Lab Sample ID: LCSD 880-35824/2-A

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35824

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1036      |                | mg/Kg |   | 104  | 70 - 130    | 3   | 35        |
| Toluene             | 0.100       | 0.1037      |                | mg/Kg |   | 104  | 70 - 130    | 3   | 35        |
| Ethylbenzene        | 0.100       | 0.09909     |                | mg/Kg |   | 99   | 70 - 130    | 2   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2058      |                | mg/Kg |   | 103  | 70 - 130    | 2   | 35        |
| o-Xylene            | 0.100       | 0.1030      |                | mg/Kg |   | 103  | 70 - 130    | 3   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 87             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98             |                | 70 - 130 |

Lab Sample ID: 880-19826-A-1-C MS

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35824

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201      | U                | 0.100       | 0.09434   |              | mg/Kg |   | 94   | 70 - 130    |
| Toluene | <0.00201      | U                | 0.100       | 0.09769   |              | mg/Kg |   | 97   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19826-A-1-C MS

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35824

|                             | Sample    | Sample    | Spike    | MS      | MS        |       |   | %Rec |          |  |
|-----------------------------|-----------|-----------|----------|---------|-----------|-------|---|------|----------|--|
| Analyte                     | Result    | Qualifier | Added    | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |
| Ethylbenzene                | <0.00201  | U         | 0.100    | 0.09359 |           | mg/Kg |   | 93   | 70 - 130 |  |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.200    | 0.1989  |           | mg/Kg |   | 99   | 70 - 130 |  |
| o-Xylene                    | <0.00201  | U         | 0.100    | 0.1003  |           | mg/Kg |   | 100  | 70 - 130 |  |
|                             | MS        | MS        |          |         |           |       |   |      |          |  |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |           |       |   |      |          |  |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |         |           |       |   |      |          |  |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |           |       |   |      |          |  |

Lab Sample ID: 880-19826-A-1-D MSD

Matrix: Solid

Analysis Batch: 36027

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35824

|                     | Sample   | Sample    | Spike  | MSD     | MSD       |       |    |      | %Rec     |     | RPD   |
|---------------------|----------|-----------|--------|---------|-----------|-------|----|------|----------|-----|-------|
| Analyte             | Result   | Qualifier | Added  | Result  | Qualifier | Unit  | D  | %Rec | Limits   | RPD | Limit |
| Benzene             | <0.00201 | U         | 0.0998 | 0.09755 |           | mg/Kg |    | 98   | 70 - 130 | 3   | 35    |
| Toluene             | <0.00201 | U         | 0.0998 | 0.09855 |           | mg/Kg |    | 98   | 70 - 130 | 1   | 35    |
| Ethylbenzene        | <0.00201 | U         | 0.0998 | 0.09317 |           | mg/Kg |    | 93   | 70 - 130 | 0   | 35    |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.200  | 0.1943  |           | mg/Kg |    | 97   | 70 - 130 | 2   | 35    |
| o-Xylene            | <0.00201 | U         | 0.0998 | 0.09791 |           | mg/Kg |    | 98   | 70 - 130 | 2   | 35    |
|                     |          |           |        |         |           |       |    |      |          |     |       |
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|                     |          |           |        |         |           |       | </ |      |          |     |       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35829/1-A

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35829

| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 11:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 11:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 09/30/22 15:02 | 10/01/22 11:52 | 1       |
| Surrogate                            | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |       |   |                |                |         |
| 1-Chlorooctane                       | 99        |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 11:52 | 1       |
| o-Terphenyl                          | 114       |           | 70 - 130 |     |       |   | 09/30/22 15:02 | 10/01/22 11:52 | 1       |

Lab Sample ID: LCS 880-35829/2-A

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35829

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 876.7      |               | mg/Kg |   | 88   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1098       |               | mg/Kg |   | 110  | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35829/2-A

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35829

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 114       |           | 70 - 130 |
| o-Terphenyl    | 126       |           | 70 - 130 |

Lab Sample ID: LCSD 880-35829/3-A

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35829

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 981.2       |                | mg/Kg |   | 98   | 70 - 130    | 11  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 907.5       |                | mg/Kg |   | 91   | 70 - 130    | 19  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 95        |           | 70 - 130 |
| o-Terphenyl    | 106       |           | 70 - 130 |

Lab Sample ID: 880-19827-1 MS

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35829

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 993.8     |              | mg/Kg |   | 98   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 850.4     |              | mg/Kg |   | 83   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 75        |           | 70 - 130 |
| o-Terphenyl    | 78        |           | 70 - 130 |

Lab Sample ID: 880-19827-1 MSD

Matrix: Solid

Analysis Batch: 35865

Client Sample ID: BH1

Prep Type: Total/NA

Prep Batch: 35829

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 979.4      |               | mg/Kg |   | 96   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 836.8      |               | mg/Kg |   | 82   | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 74        |           | 70 - 130 |
| o-Terphenyl    | 76        |           | 70 - 130 |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 15:59 | 1       |

Lab Sample ID: LCS 880-35803/2-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.8         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-35803/3-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 245.3          |                   | mg/Kg |   | 98   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-19826-A-3-B MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1640             | F1                  | 1260           | 2744         | F1              | mg/Kg |   | 88   | 90 - 110       |

Lab Sample ID: 880-19826-A-3-C MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1640             | F1                  | 1260           | 2751          | F1               | mg/Kg |   | 89   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-19828-A-1-C MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 251              | F1                  | 252            | 456.8        | F1              | mg/Kg |   | 82   | 90 - 110       |

Lab Sample ID: 880-19828-A-1-D MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 251              | F1                  | 252            | 457.2         | F1               | mg/Kg |   | 82   | 90 - 110       | 0   | 20           |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## GC VOA

## Prep Batch: 35824

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19827-1         | BH1                    | Total/NA  | Solid  | 5035   |            |
| 880-19827-2         | BH2                    | Total/NA  | Solid  | 5035   |            |
| 880-19827-3         | BH3                    | Total/NA  | Solid  | 5035   |            |
| 880-19827-4         | BH4                    | Total/NA  | Solid  | 5035   |            |
| 880-19827-5         | BH5                    | Total/NA  | Solid  | 5035   |            |
| 880-19827-6         | BH6                    | Total/NA  | Solid  | 5035   |            |
| MB 880-35824/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35824/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35824/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19826-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-19826-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36027

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19827-1         | BH1                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19827-2         | BH2                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19827-3         | BH3                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19827-4         | BH4                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19827-5         | BH5                    | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19827-6         | BH6                    | Total/NA  | Solid  | 8021B  | 35824      |
| MB 880-35824/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 35824      |
| LCS 880-35824/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35824      |
| LCSD 880-35824/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35824      |
| 880-19826-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35824      |

## Analysis Batch: 36112

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19827-1   | BH1              | Total/NA  | Solid  | Total BTEX |            |
| 880-19827-2   | BH2              | Total/NA  | Solid  | Total BTEX |            |
| 880-19827-3   | BH3              | Total/NA  | Solid  | Total BTEX |            |
| 880-19827-4   | BH4              | Total/NA  | Solid  | Total BTEX |            |
| 880-19827-5   | BH5              | Total/NA  | Solid  | Total BTEX |            |
| 880-19827-6   | BH6              | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 35829

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-19827-1        | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-2        | BH2                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-3        | BH3                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-4        | BH4                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-5        | BH5                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-6        | BH6                    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35829/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35829/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35829/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-1 MS     | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19827-1 MSD    | BH1                    | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

## GC Semi VOA

## Analysis Batch: 35865

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19827-1        | BH1                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-2        | BH2                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-3        | BH3                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-4        | BH4                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-5        | BH5                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-6        | BH6                    | Total/NA  | Solid  | 8015B NM | 35829      |
| MB 880-35829/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 35829      |
| LCS 880-35829/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35829      |
| LCSD 880-35829/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-1 MS     | BH1                    | Total/NA  | Solid  | 8015B NM | 35829      |
| 880-19827-1 MSD    | BH1                    | Total/NA  | Solid  | 8015B NM | 35829      |

## Analysis Batch: 35984

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19827-1   | BH1              | Total/NA  | Solid  | 8015 NM |            |
| 880-19827-2   | BH2              | Total/NA  | Solid  | 8015 NM |            |
| 880-19827-3   | BH3              | Total/NA  | Solid  | 8015 NM |            |
| 880-19827-4   | BH4              | Total/NA  | Solid  | 8015 NM |            |
| 880-19827-5   | BH5              | Total/NA  | Solid  | 8015 NM |            |
| 880-19827-6   | BH6              | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35803

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19827-1         | BH1                    | Soluble   | Solid  | DI Leach |            |
| 880-19827-2         | BH2                    | Soluble   | Solid  | DI Leach |            |
| 880-19827-3         | BH3                    | Soluble   | Solid  | DI Leach |            |
| 880-19827-4         | BH4                    | Soluble   | Solid  | DI Leach |            |
| 880-19827-5         | BH5                    | Soluble   | Solid  | DI Leach |            |
| 880-19827-6         | BH6                    | Soluble   | Solid  | DI Leach |            |
| MB 880-35803/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35803/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35803/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19826-A-3-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19826-A-3-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35998

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19827-1        | BH1                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19827-2        | BH2                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19827-3        | BH3                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19827-4        | BH4                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19827-5        | BH5                    | Soluble   | Solid  | 300.0  | 35803      |
| 880-19827-6        | BH6                    | Soluble   | Solid  | 300.0  | 35803      |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 35803      |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35803      |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35803      |
| 880-19826-A-3-B MS | Matrix Spike           | Soluble   | Solid  | 300.0  | 35803      |

Eurofins Midland

QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 35998 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19826-A-3-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35803      |

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## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19827-1

Date Collected: 09/29/22 08:49

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 18:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 12:57       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35998        | 10/03/22 16:43       | CH      | EET MID |

Client Sample ID: BH2

Lab Sample ID: 880-19827-2

Date Collected: 09/29/22 08:59

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 18:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 14:01       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 16:58       | CH      | EET MID |

Client Sample ID: BH3

Lab Sample ID: 880-19827-3

Date Collected: 09/29/22 09:09

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 18:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 14:23       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 35998        | 10/03/22 17:03       | CH      | EET MID |

Client Sample ID: BH4

Lab Sample ID: 880-19827-4

Date Collected: 09/29/22 09:19

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 19:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19827-4

Date Collected: 09/29/22 09:19

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 14:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:07       | CH      | EET MID |

Client Sample ID: BH5

Lab Sample ID: 880-19827-5

Date Collected: 09/29/22 09:29

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 19:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 15:06       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 35998        | 10/03/22 17:12       | CH      | EET MID |

Client Sample ID: BH6

Lab Sample ID: 880-19827-6

Date Collected: 09/29/22 09:39

Matrix: Solid

Date Received: 09/29/22 16:15

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 35824        | 09/30/22 14:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36027        | 10/04/22 19:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36112        | 10/04/22 20:54       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35984        | 10/03/22 11:47       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35829        | 09/30/22 15:02       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35865        | 10/01/22 15:27       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:17       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

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## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19827-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19827-1   | BH1              | Solid  | 09/29/22 08:49 | 09/29/22 16:15 | 4'    |
| 880-19827-2   | BH2              | Solid  | 09/29/22 08:59 | 09/29/22 16:15 | 4'    |
| 880-19827-3   | BH3              | Solid  | 09/29/22 09:09 | 09/29/22 16:15 | 4'    |
| 880-19827-4   | BH4              | Solid  | 09/29/22 09:19 | 09/29/22 16:15 | 4'    |
| 880-19827-5   | BH5              | Solid  | 09/29/22 09:29 | 09/29/22 16:15 | 4'    |
| 880-19827-6   | BH6              | Solid  | 09/29/22 09:39 | 09/29/22 16:15 | 4'    |

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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad NM (575) 988-3199

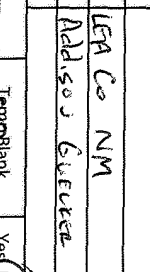
## Chain of Custody

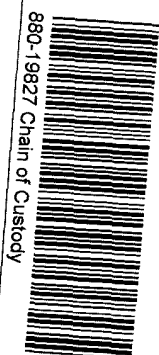
Work Order No: 19827

www.xenco.com Page 1 of 1

|                 |                           |  |  |                         |                                         |
|-----------------|---------------------------|--|--|-------------------------|-----------------------------------------|
| Project Manager | GRANT HUCKABAY            |  |  | Bill to: (if different) |                                         |
| Company Name    | FASKEED AL AND PANCH, LTD |  |  | Company Name            |                                         |
| Address         | 6101 HOLLIST HILL RD.     |  |  | Address                 |                                         |
| City, State ZIP | MILCAND TX 79707          |  |  | City, State ZIP         |                                         |
| Phone           | 432-687-1777              |  |  | Email                   | grant@faskeed.com, addisong@faskeed.com |

| Work Order Comments |                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                                                                                                                                                    |
| Reporting Level II  | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>       |
| Deliverables        | EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                           |

| ANALYSIS REQUEST                                                                                                                                                                                                                          |                        |                |              |                                                               |            |                                               |                   |                  |                  | Preservative Codes |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|--------------|---------------------------------------------------------------|------------|-----------------------------------------------|-------------------|------------------|------------------|--------------------|-------|
| Project Name                                                                                                                                                                                                                              | Turn Around            | Project Number | Due Date     | TAT starts the day received by the lab, if received by 4:30pm | Pres. Code |                                               |                   |                  |                  |                    |       |
| Project Name                                                                                                                                                                                                                              | DENTON HS SWD          | Project Number | LEA Co NM    | Due Date                                                      | 3 DAY      | None                                          | NO                | DI Water         | H <sub>2</sub> O |                    |       |
| Project Location                                                                                                                                                                                                                          | Adelphi Co             | Due Date       | 3 DAY        | TAT starts the day received by the lab, if received by 4:30pm |            | Cool                                          | Cool              | MeOH             | Me               |                    |       |
| Sampler's Name                                                                                                                                                                                                                            | Adelphi Co             | Due Date       | 3 DAY        | TAT starts the day received by the lab, if received by 4:30pm |            | HCL                                           | HC                | HNO <sub>3</sub> | HN               |                    |       |
| PO #                                                                                                                                                                                                                                      |                        | Due Date       | 3 DAY        | TAT starts the day received by the lab, if received by 4:30pm |            | H <sub>2</sub> SO <sub>4</sub>                | H <sub>2</sub>    | NaOH             | Na               |                    |       |
| SAMPLE RECEIPT                                                                                                                                                                                                                            | Temp Blank             | Yes            | No           | Yes                                                           | No         | H <sub>3</sub> PO <sub>4</sub>                | HP                |                  |                  |                    |       |
| Samples Received Intact                                                                                                                                                                                                                   | Yes                    | No             | Yes          | No                                                            | Yes        | NaHSO <sub>4</sub>                            | NABIS             |                  |                  |                    |       |
| Cooler Custody Seals                                                                                                                                                                                                                      | Yes                    | No             | Yes          | No                                                            | Yes        | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | NaSO <sub>3</sub> |                  |                  |                    |       |
| Sample Custody Seals                                                                                                                                                                                                                      | Yes                    | No             | Yes          | No                                                            | Yes        | Zn Acetate                                    | +NaOH             | Zn               |                  |                    |       |
| Total Containers:                                                                                                                                                                                                                         | Corrected Temperature: | 4.2            |              |                                                               |            | NaOH+Ascorbic Acid                            | SAPC              |                  |                  |                    |       |
| Sample Identification                                                                                                                                                                                                                     | Matrix                 | Date Sampled   | Time Sampled | Depth                                                         | Grab/Comp  | # of Cont                                     | CL                | TPH              | 8015M            | BTEX               | 8021B |
| BH1                                                                                                                                                                                                                                       | S                      | 9/29/22        | 8:49         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| BH2                                                                                                                                                                                                                                       | S                      | 9/29/22        | 8:59         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| BH3                                                                                                                                                                                                                                       | S                      | 9/29/22        | 9:09         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| BH4                                                                                                                                                                                                                                       | S                      | 9/29/22        | 9:19         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| BH5                                                                                                                                                                                                                                       | S                      | 9/29/22        | 9:29         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| BH6                                                                                                                                                                                                                                       | S                      | 9/29/22        | 9:39         | 4'                                                            | G          | 1                                             | X                 | X                | X                | X                  | X     |
| <div style="display: flex; justify-content: space-between;"> <div> <p>880-19827 Chain of Custody</p>  </div> <div> <p>Sample Comments</p> </div> </div> |                        |                |              |                                                               |            |                                               |                   |                  |                  |                    |       |



880-19827 Chain of Custody

|                                              |              |       |       |       |    |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |     |    |       |   |      |    |
|----------------------------------------------|--------------|-------|-------|-------|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|-----|----|-------|---|------|----|
| Total 2002 / 6010                            | 2008 / 6020: | 8RCRA | 13PPM | Texas | 11 | Al    | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr  | Ti | Sn    | U | V    | Zn |
| Circle Method(s) and Metal(s) to be analyzed |              | TC1P  | /SPLP | 6010  |    | 8RCRA | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |   |    | Hg | 1631             | /  | 245 | /  | 77470 | / | 7471 |    |

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

| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1 <i>[Signature]</i>        | <i>[Signature]</i>      | 9/29/22   | 2                           |                         |           |
| 3                           |                         | 10/10     | 4                           |                         |           |
| 5                           |                         |           | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19827-1

SDG Number: Lea Co, NM

Login Number: 19827

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19829-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

Authorized for release by:

10/4/2022 9:03:13 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19829-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 6  |
| QC Sample Results . . . . .      | 7  |
| QC Association Summary . . . . . | 11 |
| Lab Chronicle . . . . .          | 13 |
| Certification Summary . . . . .  | 14 |
| Method Summary . . . . .         | 15 |
| Sample Summary . . . . .         | 16 |
| Chain of Custody . . . . .       | 17 |
| Receipt Checklists . . . . .     | 18 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

**Job ID: 880-19829-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19829-1****Receipt**

The sample was received on 9/29/2022 4:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: BG (880-19829-1).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-19347-A-7-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BG (880-19829-1) and (880-19829-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Client Sample ID: BG

## Lab Sample ID: 880-19829-1

Date Collected: 09/29/22 11:00

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 09/30/22 08:57 | 09/30/22 15:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 09/30/22 08:57 | 09/30/22 15:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 73        |           | 70 - 130 | 09/30/22 08:57 | 09/30/22 15:32 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 09/30/22 17:18 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 10:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 10:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 10:33 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 69        | S1-       | 70 - 130 | 09/30/22 08:55 | 09/30/22 10:33 | 1       |
| o-Terphenyl    | 68        | S1-       | 70 - 130 | 09/30/22 08:55 | 09/30/22 10:33 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 15.1   |           | 4.98 |     | mg/Kg |   |          | 10/03/22 17:56 | 1       |

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## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19347-A-7-F MS                | Matrix Spike           | 118                                            | 105               |
| 880-19347-A-7-G MSD               | Matrix Spike Duplicate | 133 S1+                                        | 102               |
| 880-19829-1                       | BG                     | 102                                            | 73                |
| LCS 880-35745/1-A                 | Lab Control Sample     | 120                                            | 102               |
| LCSD 880-35745/2-A                | Lab Control Sample Dup | 128                                            | 95                |
| MB 880-35745/5-A                  | Method Blank           | 104                                            | 87                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19829-1             | BG                     | 69 S1-                                         | 68 S1-            |
| 880-19829-1 MS          | BG                     | 74                                             | 67 S1-            |
| 880-19829-1 MSD         | BG                     | 78                                             | 73                |
| LCS 880-35755/2-A       | Lab Control Sample     | 107                                            | 113               |
| LCSD 880-35755/3-A      | Lab Control Sample Dup | 101                                            | 101               |
| MB 880-35755/1-A        | Method Blank           | 104                                            | 113               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35745/5-A

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35745

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| m-Xylene & p-Xylene | <0.00401  | U            | 0.00401 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| Xylenes, Total      | <0.00401  | U            | 0.00401 |     | mg/Kg |   | 09/30/22 07:58 | 09/30/22 10:23 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104          |              | 70 - 130 | 09/30/22 07:58 | 09/30/22 10:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87           |              | 70 - 130 | 09/30/22 07:58 | 09/30/22 10:23 | 1       |

Lab Sample ID: LCS 880-35745/1-A

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35745

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.08346    |               | mg/Kg |   | 83   | 70 - 130    |
| Toluene             | 0.100       | 0.07921    |               | mg/Kg |   | 79   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08765    |               | mg/Kg |   | 88   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1803     |               | mg/Kg |   | 90   | 70 - 130    |
| o-Xylene            | 0.100       | 0.1018     |               | mg/Kg |   | 102  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 120           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-35745/2-A

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35745

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.07504     |                | mg/Kg |   | 75   | 70 - 130    | 11  | 35        |
| Toluene             | 0.100       | 0.08078     |                | mg/Kg |   | 81   | 70 - 130    | 2   | 35        |
| Ethylbenzene        | 0.100       | 0.08938     |                | mg/Kg |   | 89   | 70 - 130    | 2   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1897      |                | mg/Kg |   | 95   | 70 - 130    | 5   | 35        |
| o-Xylene            | 0.100       | 0.1078      |                | mg/Kg |   | 108  | 70 - 130    | 6   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 128            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95             |                | 70 - 130 |

Lab Sample ID: 880-19347-A-7-F MS

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35745

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00200      | U                | 0.0998      | 0.08818   |              | mg/Kg |   | 88   | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.08271   |              | mg/Kg |   | 83   | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-19347-A-7-F MS

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35745

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.0998      | 0.08821   |              | mg/Kg |   | 88   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1806    |              | mg/Kg |   | 90   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.0998      | 0.1019    |              | mg/Kg |   | 102  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 118          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105          |              | 70 - 130 |

Lab Sample ID: 880-19347-A-7-G MSD

Matrix: Solid

Analysis Batch: 35744

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35745

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0996      | 0.08390    |               | mg/Kg |   | 84   | 70 - 130    | 5   | 35        |
| Toluene             | <0.00200      | U                | 0.0996      | 0.08269    |               | mg/Kg |   | 83   | 70 - 130    | 0   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0996      | 0.09357    |               | mg/Kg |   | 94   | 70 - 130    | 6   | 35        |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.199       | 0.1984     |               | mg/Kg |   | 100  | 70 - 130    | 9   | 35        |
| o-Xylene            | <0.00200      | U                | 0.0996      | 0.1133     |               | mg/Kg |   | 114  | 70 - 130    | 11  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 133           | S1+           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35755/1-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 104          |              | 70 - 130 | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| o-Terphenyl    | 113          |              | 70 - 130 | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1023       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 995.8      |               | mg/Kg |   | 100  | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: LCSD 880-35755/3-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 939.2       |                | mg/Kg |   | 94   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 896.6       |                | mg/Kg |   | 90   | 70 - 130    | 10  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19829-1 MS

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: BG

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 727.0     |              | mg/Kg |   | 71   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 758.3     |              | mg/Kg |   | 74   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 74        |           | 70 - 130 |
| o-Terphenyl    | 67        | S1-       | 70 - 130 |

Lab Sample ID: 880-19829-1 MSD

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: BG

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 731.1      |               | mg/Kg |   | 72   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 827.6      |               | mg/Kg |   | 81   | 70 - 130    | 9   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 78        |           | 70 - 130 |
| o-Terphenyl    | 73        |           | 70 - 130 |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 15:59 | 1       |

Lab Sample ID: LCS 880-35803/2-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.8         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-35803/3-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 245.3          |                   | mg/Kg |   | 98   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-19828-A-1-C MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 251              | F1                  | 252            | 456.8        | F1              | mg/Kg |   | 82   | 90 - 110       |

Lab Sample ID: 880-19828-A-1-D MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 251              | F1                  | 252            | 457.2         | F1               | mg/Kg |   | 82   | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## GC VOA

## Analysis Batch: 35744

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19829-1         | BG                     | Total/NA  | Solid  | 8021B  | 35745      |
| MB 880-35745/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 35745      |
| LCS 880-35745/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35745      |
| LCSD 880-35745/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35745      |
| 880-19347-A-7-F MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35745      |
| 880-19347-A-7-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35745      |

## Prep Batch: 35745

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19829-1         | BG                     | Total/NA  | Solid  | 5035   |            |
| MB 880-35745/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35745/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35745/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-19347-A-7-F MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-19347-A-7-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 35841

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19829-1   | BG               | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35738

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19829-1        | BG                     | Total/NA  | Solid  | 8015B NM | 35755      |
| MB 880-35755/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 35755      |
| LCS 880-35755/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35755      |
| LCSD 880-35755/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-1 MS     | BG                     | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-1 MSD    | BG                     | Total/NA  | Solid  | 8015B NM | 35755      |

## Prep Batch: 35755

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-19829-1        | BG                     | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35755/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35755/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35755/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-1 MS     | BG                     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-1 MSD    | BG                     | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 35974

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19829-1   | BG               | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35803

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19829-1        | BG                     | Soluble   | Solid  | DI Leach |            |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

## HPLC/IC (Continued)

## Leach Batch: 35803 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35998

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19829-1         | BG                     | Soluble   | Solid  | 300.0  | 35803      |
| MB 880-35803/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 35803      |
| LCS 880-35803/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35803      |
| LCSD 880-35803/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35803      |

Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

Client Sample ID: BG  
Date Collected: 09/29/22 11:00  
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19829-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 35745        | 09/30/22 08:57       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 35744        | 09/30/22 15:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 35841        | 09/30/22 17:18       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35974        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 10:33       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:56       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

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## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

## Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19829-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19829-1   | BG               | Solid  | 09/29/22 11:00 | 09/29/22 16:10 | 0-6"  |

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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

## Chain of Custody

Work Order No: 19829

www.xenco.com Page 1 of 1

|                  |                             |                         |                                 |
|------------------|-----------------------------|-------------------------|---------------------------------|
| Project Manager  | G-RANT HUCKABAY             | Bill to: (if different) |                                 |
| Company Name:    | FISKEN OIL AND SERVICE LTD. | Company Name:           |                                 |
| Address          | 6001 HOUDEY HILL RD.        | Address:                |                                 |
| City, State ZIP: | MIDLAND, TX 79707           | City, State ZIP:        |                                 |
| Phone:           | 432-687-1777                | Email                   | granth@foi.com adel.sengfoi.com |

| Work Order Comments |                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>    |
| State of Project:   |                                                                                                                                                                       |
| Reporting Level     | Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                              |

|                          |               |                                                               |                                          |  |  |  |                                               |
|--------------------------|---------------|---------------------------------------------------------------|------------------------------------------|--|--|--|-----------------------------------------------|
| <b>Project Name:</b>     | DENON HS SWD  | <b>Tum Around</b>                                             |                                          |  |  |  |                                               |
| <b>P roject Number:</b>  |               | <input type="checkbox"/> routine                              | <input checked="" type="checkbox"/> Rush |  |  |  |                                               |
| <b>Project Location:</b> | LGA Co. NY    | <b>Due Date</b>                                               | 3 DAY                                    |  |  |  |                                               |
| <b>Sampler's Name:</b>   | Addisu GUEFFA | TAT starts the day received by the lab, if received by 4:30pm |                                          |  |  |  |                                               |
| <b>P O #</b>             | ( )           |                                                               |                                          |  |  |  |                                               |
| <b>ANALYSIS REQUEST</b>  |               |                                                               |                                          |  |  |  |                                               |
|                          |               |                                                               |                                          |  |  |  | <b>Preservative Codes</b>                     |
|                          |               |                                                               |                                          |  |  |  | DI Water H <sub>2</sub> O                     |
|                          |               |                                                               |                                          |  |  |  | Meth Me                                       |
|                          |               |                                                               |                                          |  |  |  | HCL HC                                        |
|                          |               |                                                               |                                          |  |  |  | HNO <sub>3</sub> HN                           |
|                          |               |                                                               |                                          |  |  |  | NaOH Na                                       |
|                          |               |                                                               |                                          |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> |

| SAMPLE RECEIPT           |     | Tamp Blank: | Yes | No | Well Ice               | Yes | No |
|--------------------------|-----|-------------|-----|----|------------------------|-----|----|
| Samples Received Intact: | Yes | No          |     |    | Thermometer ID:        | 378 |    |
| Cooler Custody Seals:    | Yes | No          |     |    | Correction Factor:     | -20 |    |
| Sample Custody Seals:    | Yes | No          |     |    | Temperature Reading    | 42  |    |
| Total Containers:        |     |             |     |    | Corrected Temperature: | 44  |    |

Parameter:

L  
H 8015m  
EX 80213

|                                                                   |  |
|-------------------------------------------------------------------|--|
| H <sub>3</sub> PO <sub>4</sub> , HP                               |  |
| NaHSO <sub>4</sub> , NABIS                                        |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NASO <sub>3</sub> |  |
| Zn Acetate+NaOH, Zn                                               |  |
| NaOH+Ascorbic Acid, SAPC                                          |  |

[illegible]

880-19829 Chain of Custody

| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA       | 13PPM | Texas | 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe                                                                                                                                                                                     | Pb | Mg | Mn | Mo | Ni | K | Se | Ag   | SiO <sub>2</sub> | Na       | Sr     | Ti | Sn | U | V | Zn |
|----------------------------------------------|---------------|-------------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|---|----|------|------------------|----------|--------|----|----|---|---|----|
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP | 6010  | 8RCRA | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se <td>Ag</td> <td>Ti</td> <td>U</td> <td></td> <td></td> <td></td> <td>Hg</td> <td>1631</td> <td>/ 245</td> <td>1 / 7470</td> <td>/ 7471</td> <td></td> <td></td> <td></td> <td></td> | Ag | Ti | U  |    |    |   | Hg | 1631 | / 245            | 1 / 7470 | / 7471 |    |    |   |   |    |

Notwithstanding to whom the samples are delivered, the client agrees to indemnify Eurofins Xeno, its affiliates and subcontractors, its assigns standard terms and conditions of service, Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated in writing.

| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------|-------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1 <i>[Signature]</i>        | <i>[Signature]</i>      | 9/29/22   | 2                           |                         |           |
| 3                           |                         | 10/10     | 4                           |                         |           |
| 5                           |                         |           | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19829-1

SDG Number: Lea Co, NM

Login Number: 19829

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19828-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

10/4/2022 10:33:26 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19828-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 8  |
| QC Sample Results . . . . .      | 9  |
| QC Association Summary . . . . . | 13 |
| Lab Chronicle . . . . .          | 15 |
| Certification Summary . . . . .  | 16 |
| Method Summary . . . . .         | 17 |
| Sample Summary . . . . .         | 18 |
| Chain of Custody . . . . .       | 19 |
| Receipt Checklists . . . . .     | 20 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

**Job ID: 880-19828-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-19828-1****Receipt**

The samples were received on 9/29/2022 4:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: North (880-19828-1), South (880-19828-2) and West (880-19828-3).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: West (880-19828-3). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

Client Sample ID: North

Lab Sample ID: 880-19828-1

Date Collected: 09/29/22 10:15

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| Ethylbenzene        | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| m-Xylene & p-Xylene | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| o-Xylene            | <0.00198 | U         | 0.00198 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| Xylenes, Total      | <0.00396 | U         | 0.00396 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 00:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 00:46 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00396 | U         | 0.00396 |     | mg/Kg |   |          | 10/04/22 08:33 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:22 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 89        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 17:22 | 1       |
| o-Terphenyl    | 92        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 17:22 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 251    | F1        | 5.03 |     | mg/Kg |   |          | 10/03/22 17:22 | 1       |

Client Sample ID: South

Lab Sample ID: 880-19828-2

Date Collected: 09/29/22 10:30

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 02:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 02:50 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

Client Sample ID: South

Lab Sample ID: 880-19828-2

Date Collected: 09/29/22 10:30

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 101       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 02:50 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 10/04/22 08:33 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 17:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 17:44 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 17:44 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 88.5   |           | 4.97 |     | mg/Kg |   |          | 10/03/22 17:37 | 1       |

Client Sample ID: West

Lab Sample ID: 880-19828-3

Date Collected: 09/29/22 10:45

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 03:11 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 137       | S1+       | 70 - 130 | 10/03/22 13:34 | 10/04/22 03:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 03:11 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 08:33 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

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## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

Client Sample ID: West

Lab Sample ID: 880-19828-3

Date Collected: 09/29/22 10:45

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 18:05 | 1       |
| o-Terphenyl                          | 84        |           | 70 - 130 |     |       |   | 09/30/22 08:55 | 09/30/22 18:05 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 31.2   |           | 4.97 |     | mg/Kg |   |          | 10/03/22 17:42 | 1       |

## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19828-1                       | North                  | 119                                            | 94                |
| 880-19828-2                       | South                  | 120                                            | 101               |
| 880-19828-3                       | West                   | 137 S1+                                        | 109               |
| 890-3026-A-1-D MS                 | Matrix Spike           | 93                                             | 96                |
| 890-3026-A-1-E MSD                | Matrix Spike Duplicate | 95                                             | 97                |
| LCS 880-35997/1-A                 | Lab Control Sample     | 88                                             | 96                |
| LCSD 880-35997/2-A                | Lab Control Sample Dup | 89                                             | 97                |
| MB 880-35997/5-A                  | Method Blank           | 94                                             | 85                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19828-1             | North                  | 89                                             | 92                |
| 880-19828-2             | South                  | 101                                            | 104               |
| 880-19828-3             | West                   | 82                                             | 84                |
| 880-19829-A-1-C MS      | Matrix Spike           | 74                                             | 67 S1-            |
| 880-19829-A-1-D MSD     | Matrix Spike Duplicate | 78                                             | 73                |
| LCS 880-35755/2-A       | Lab Control Sample     | 107                                            | 113               |
| LCSD 880-35755/3-A      | Lab Control Sample Dup | 101                                            | 101               |
| MB 880-35755/1-A        | Method Blank           | 104                                            | 113               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35997/5-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85           |              | 70 - 130 | 10/03/22 13:34 | 10/03/22 22:00 | 1       |

Lab Sample ID: LCS 880-35997/1-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1071     |               | mg/Kg |   | 107  | 70 - 130    |
| Toluene             | 0.100       | 0.1071     |               | mg/Kg |   | 107  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09944    |               | mg/Kg |   | 99   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2049     |               | mg/Kg |   | 102  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1039     |               | mg/Kg |   | 104  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 88            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96            |               | 70 - 130 |

Lab Sample ID: LCSD 880-35997/2-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1072      |                | mg/Kg |   | 107  | 70 - 130    | 0   | 35    |
| Toluene             | 0.100       | 0.1073      |                | mg/Kg |   | 107  | 70 - 130    | 0   | 35    |
| Ethylbenzene        | 0.100       | 0.09953     |                | mg/Kg |   | 100  | 70 - 130    | 0   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2078      |                | mg/Kg |   | 104  | 70 - 130    | 1   | 35    |
| o-Xylene            | 0.100       | 0.1051      |                | mg/Kg |   | 105  | 70 - 130    | 1   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 89             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97             |                | 70 - 130 |

Lab Sample ID: 890-3026-A-1-D MS

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35997

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201      | U                | 0.0998      | 0.09738   |              | mg/Kg |   | 98   | 70 - 130    |
| Toluene | <0.00201      | U                | 0.0998      | 0.1003    |              | mg/Kg |   | 100  | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-3026-A-1-D MS

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00201      | U                | 0.0998      | 0.09562   |              | mg/Kg |   | 96   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.200       | 0.1967    |              | mg/Kg |   | 99   | 70 - 130    |
| o-Xylene            | <0.00201      | U                | 0.0998      | 0.1000    |              | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 93           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96           |              | 70 - 130 |

Lab Sample ID: 890-3026-A-1-E MSD

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U                | 0.100       | 0.09537    |               | mg/Kg |   | 95   | 70 - 130    | 2   | 35        |
| Toluene             | <0.00201      | U                | 0.100       | 0.09776    |               | mg/Kg |   | 98   | 70 - 130    | 3   | 35        |
| Ethylbenzene        | <0.00201      | U                | 0.100       | 0.09210    |               | mg/Kg |   | 92   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00402      | U                | 0.200       | 0.1922     |               | mg/Kg |   | 96   | 70 - 130    | 2   | 35        |
| o-Xylene            | <0.00201      | U                | 0.100       | 0.09755    |               | mg/Kg |   | 97   | 70 - 130    | 3   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35755/1-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 104          |              | 70 - 130 | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| o-Terphenyl    | 113          |              | 70 - 130 | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1023       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 995.8      |               | mg/Kg |   | 100  | 70 - 130    |

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## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35755/2-A  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 35755

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: LCSD 880-35755/3-A  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 939.2       |                | mg/Kg |   | 94   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 896.6       |                | mg/Kg |   | 90   | 70 - 130    | 10  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19829-A-1-C MS  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 727.0     |              | mg/Kg |   | 71   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 758.3     |              | mg/Kg |   | 74   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 74        |           | 70 - 130 |
| o-Terphenyl    | 67        | S1-       | 70 - 130 |

Lab Sample ID: 880-19829-A-1-D MSD  
Matrix: Solid  
Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 731.1      |               | mg/Kg |   | 72   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 827.6      |               | mg/Kg |   | 81   | 70 - 130    | 9   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 78        |           | 70 - 130 |
| o-Terphenyl    | 73        |           | 70 - 130 |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 15:59 | 1       |

Lab Sample ID: LCS 880-35803/2-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.8         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-35803/3-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 245.3          |                   | mg/Kg |   | 98   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-19828-1 MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: North

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 251              | F1                  | 252            | 456.8        | F1              | mg/Kg |   | 82   | 90 - 110       |

Lab Sample ID: 880-19828-1 MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: North

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 251              | F1                  | 252            | 457.2         | F1               | mg/Kg |   | 82   | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## GC VOA

## Analysis Batch: 35920

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19828-1        | North                  | Total/NA  | Solid  | 8021B  | 35997      |
| 880-19828-2        | South                  | Total/NA  | Solid  | 8021B  | 35997      |
| 880-19828-3        | West                   | Total/NA  | Solid  | 8021B  | 35997      |
| MB 880-35997/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 35997      |
| LCS 880-35997/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35997      |
| LCSD 880-35997/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35997      |
| 890-3026-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35997      |
| 890-3026-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35997      |

## Prep Batch: 35997

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19828-1        | North                  | Total/NA  | Solid  | 5035   |            |
| 880-19828-2        | South                  | Total/NA  | Solid  | 5035   |            |
| 880-19828-3        | West                   | Total/NA  | Solid  | 5035   |            |
| MB 880-35997/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35997/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35997/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-3026-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-3026-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36031

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19828-1   | North            | Total/NA  | Solid  | Total BTEX |            |
| 880-19828-2   | South            | Total/NA  | Solid  | Total BTEX |            |
| 880-19828-3   | West             | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35738

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19828-1         | North                  | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19828-2         | South                  | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19828-3         | West                   | Total/NA  | Solid  | 8015B NM | 35755      |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 35755      |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35755      |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35755      |

## Prep Batch: 35755

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-19828-1         | North                  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19828-2         | South                  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19828-3         | West                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

## GC Semi VOA

## Analysis Batch: 35977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19828-1   | North            | Total/NA  | Solid  | 8015 NM |            |
| 880-19828-2   | South            | Total/NA  | Solid  | 8015 NM |            |
| 880-19828-3   | West             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35803

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19828-1        | North                  | Soluble   | Solid  | DI Leach |            |
| 880-19828-2        | South                  | Soluble   | Solid  | DI Leach |            |
| 880-19828-3        | West                   | Soluble   | Solid  | DI Leach |            |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-19828-1 MS     | North                  | Soluble   | Solid  | DI Leach |            |
| 880-19828-1 MSD    | North                  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35998

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19828-1        | North                  | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-2        | South                  | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-3        | West                   | Soluble   | Solid  | 300.0  | 35803      |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 35803      |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35803      |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-1 MS     | North                  | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-1 MSD    | North                  | Soluble   | Solid  | 300.0  | 35803      |

## Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

Client Sample ID: North

Lab Sample ID: 880-19828-1

Date Collected: 09/29/22 10:15

Matrix: Solid

Date Received: 09/29/22 16:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 35997        | 10/03/22 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 35920        | 10/04/22 00:46       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36031        | 10/04/22 08:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35977        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 17:22       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:22       | CH      | EET MID |

Client Sample ID: South

Lab Sample ID: 880-19828-2

Date Collected: 09/29/22 10:30

Matrix: Solid

Date Received: 09/29/22 16:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 35997        | 10/03/22 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 35920        | 10/04/22 02:50       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36031        | 10/04/22 08:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35977        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 17:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:37       | CH      | EET MID |

Client Sample ID: West

Lab Sample ID: 880-19828-3

Date Collected: 09/29/22 10:45

Matrix: Solid

Date Received: 09/29/22 16:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 35997        | 10/03/22 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 35920        | 10/04/22 03:11       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36031        | 10/04/22 08:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35977        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 18:05       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 17:42       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19828-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19828-1   | North            | Solid  | 09/29/22 10:15 | 09/29/22 16:10 | 0-6"  |
| 880-19828-2   | South            | Solid  | 09/29/22 10:30 | 09/29/22 16:10 | 0-6"  |
| 880-19828-3   | West             | Solid  | 09/29/22 10:45 | 09/29/22 16:10 | 0-6"  |

- 1
- 2
- 3
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- 9
- 10
- 11
- 12
- 13
- 14



**Environment Testing**  
**Xenco**

Houston, TX (281) 240-4200, Dallas TX (214) 902-0300  
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199

## Chain of Custody

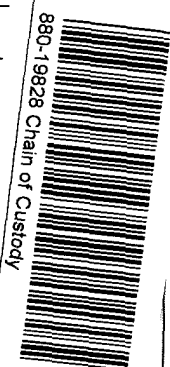
Work Order No: 19828

www.xenco.com Page 6 of 7

|                 |                           |                  |                                 |  |
|-----------------|---------------------------|------------------|---------------------------------|--|
| Project Manager | GRANT HUCKABY             |                  | Bill to: (if different)         |  |
| Company Name    | FASKEN OIL AND RANCH, LTD |                  | Company Name:                   |  |
| Address:        | 6101 Humant Hwy Rd.       |                  | Address:                        |  |
| City, State ZIP | MIDLAND, TX 79707         | City, State ZIP: |                                 |  |
| Phone           | 432-687-1777              | Email            | gshuck@oil.com, address@oil.com |  |

| Work Order Comments |                                   |                                    |                                      |                                                                 |
|---------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/>  | PRRP <input type="checkbox"/>      | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                   |                                    |                                      |                                                                 |
| Reporting           | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/>      | Adapt <input type="checkbox"/>     | Other: _____                         |                                                                 |

| Project Name:                                                   |  |  |  |  |  | DENON #3 SMD              |  |  |  |  |  | Turn Around                                                               |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------|--|--|--|--|--|---------------------------|--|--|--|--|--|---------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Project Number                                                  |  |  |  |  |  |                           |  |  |  |  |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |  |  |  |  |  |  |  |  |  |  |
| Project Location                                                |  |  |  |  |  | LEA Co N/A                |  |  |  |  |  | Due Date: 3 DAY                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Sampler's Name:                                                 |  |  |  |  |  | Addison Guelker           |  |  |  |  |  | TAT starts the day received by the lab, if received by 4:30pm             |  |  |  |  |  |  |  |  |  |  |  |
| PO #                                                            |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| SAMPLE RECEIPT                                                  |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Samples Received Intact:                                        |  |  |  |  |  | Temp Blank:               |  |  |  |  |  | Yes No                                                                    |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  | (X) Yes ( ) No            |  |  |  |  |  | (X) Yes ( ) No                                                            |  |  |  |  |  |  |  |  |  |  |  |
| Cooler Custody Seals:                                           |  |  |  |  |  | Thermometer ID:           |  |  |  |  |  | Wet Ice:                                                                  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  | N/A                       |  |  |  |  |  | FIBB                                                                      |  |  |  |  |  |  |  |  |  |  |  |
| Sample Custody Seals:                                           |  |  |  |  |  | Yes No                    |  |  |  |  |  | Correction Factor:                                                        |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  | (X) Yes ( ) No            |  |  |  |  |  | 4.2                                                                       |  |  |  |  |  |  |  |  |  |  |  |
| Total Containers:                                               |  |  |  |  |  | Temperature Reading       |  |  |  |  |  | Corrected Temperature:                                                    |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  | 4.4                       |  |  |  |  |  | 4.4                                                                       |  |  |  |  |  |  |  |  |  |  |  |
| Parameters                                                      |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| ANALYSIS REQUEST                                                |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
|                                                                 |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Preservative Codes                                              |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| None NO                                                         |  |  |  |  |  | DI Water H <sub>2</sub> O |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Cool Cool                                                       |  |  |  |  |  | MeOH Me                   |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| HCL HC                                                          |  |  |  |  |  | HNO <sub>3</sub> HN       |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   |  |  |  |  |  | NaOH Na                   |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| H <sub>3</sub> PO <sub>4</sub> HP                               |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| NaHSO <sub>4</sub> NA BIS                                       |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NASO <sub>3</sub> |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| Zn Acetate+NaOH Zn                                              |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |
| NaOH+Ascorbic Acid SAPC                                         |  |  |  |  |  |                           |  |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  |  |  |

[illegible]

880-19828 Chain of Custody

| Total 200.7 / 6010                           | 200.8 / 6020:    |                                                                                               |
|----------------------------------------------|------------------|-----------------------------------------------------------------------------------------------|
| 8RCRA 13PPM                                  | Texas 11         | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCIP / SPLP 6010 | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471            |

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

| Relinquished by (Signature)                                                         | Received by (Signature)                                                           | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1  |  | 01/29/22  | 2                           |                         |           |
| 3                                                                                   |                                                                                   | 10/10     | 4                           |                         |           |
| 5                                                                                   |                                                                                   |           | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19828-1

SDG Number: Lea Co, NM

Login Number: 19828

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing  
America

## ANALYTICAL REPORT

Eurofins Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-19830-1

Laboratory Sample Delivery Group: Lea Co, NM  
Client Project/Site: Denton #5 SWD

For:

Fasken Oil and Ranch  
6101 Holiday Hill Road  
Midland, Texas 79707

Attn: Grant Huckabay

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:

10/4/2022 10:34:23 AM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19830-1  
SDG: Lea Co, NM

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 2  |
| Definitions/Glossary . . . . .   | 3  |
| Case Narrative . . . . .         | 4  |
| Client Sample Results . . . . .  | 5  |
| Surrogate Summary . . . . .      | 6  |
| QC Sample Results . . . . .      | 7  |
| QC Association Summary . . . . . | 11 |
| Lab Chronicle . . . . .          | 13 |
| Certification Summary . . . . .  | 14 |
| Method Summary . . . . .         | 15 |
| Sample Summary . . . . .         | 16 |
| Chain of Custody . . . . .       | 17 |
| Receipt Checklists . . . . .     | 18 |

1

2

3

4

5

6

7

8

9

10

11

12

13

14

## Definitions/Glossary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

**Job ID: 880-19830-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative**  
**880-19830-1**

**Receipt**

The sample was received on 9/29/2022 4:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

**Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: East (880-19830-1).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## Client Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

Client Sample ID: East

Lab Sample ID: 880-19830-1

Date Collected: 09/29/22 10:00

Matrix: Solid

Date Received: 09/29/22 16:10

Sample Depth: 0-6"

## Method: 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/03/22 13:34 | 10/04/22 00:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 00:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 10/03/22 13:34 | 10/04/22 00:25 | 1       |

## Method: Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/04/22 08:33 | 1       |

## Method: 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/03/22 11:45 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 18:27 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 88        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 18:27 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 09/30/22 08:55 | 09/30/22 18:27 | 1       |

## Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 437    |           | 5.01 |     | mg/Kg |   |          | 10/03/22 18:01 | 1       |

Eurofins Midland

## Surrogate Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-19830-1                       | East                   | 114                                            | 100               |
| 890-3026-A-1-D MS                 | Matrix Spike           | 93                                             | 96                |
| 890-3026-A-1-E MSD                | Matrix Spike Duplicate | 95                                             | 97                |
| LCS 880-35997/1-A                 | Lab Control Sample     | 88                                             | 96                |
| LCSD 880-35997/2-A                | Lab Control Sample Dup | 89                                             | 97                |
| MB 880-35997/5-A                  | Method Blank           | 94                                             | 85                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-19829-A-1-C MS      | Matrix Spike           | 74                                             | 67 S1-            |
| 880-19829-A-1-D MSD     | Matrix Spike Duplicate | 78                                             | 73                |
| 880-19830-1             | East                   | 88                                             | 87                |
| LCS 880-35755/2-A       | Lab Control Sample     | 107                                            | 113               |
| LCSD 880-35755/3-A      | Lab Control Sample Dup | 101                                            | 101               |
| MB 880-35755/1-A        | Method Blank           | 104                                            | 113               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35997/5-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/03/22 13:34 | 10/03/22 22:00 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 10/03/22 13:34 | 10/03/22 22:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85           |              | 70 - 130 | 10/03/22 13:34 | 10/03/22 22:00 | 1       |

Lab Sample ID: LCS 880-35997/1-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1071     |               | mg/Kg |   | 107  | 70 - 130    |
| Toluene             | 0.100       | 0.1071     |               | mg/Kg |   | 107  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09944    |               | mg/Kg |   | 99   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2049     |               | mg/Kg |   | 102  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1039     |               | mg/Kg |   | 104  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 88            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96            |               | 70 - 130 |

Lab Sample ID: LCSD 880-35997/2-A

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35997

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1072      |                | mg/Kg |   | 107  | 70 - 130    | 0   | 35    |
| Toluene             | 0.100       | 0.1073      |                | mg/Kg |   | 107  | 70 - 130    | 0   | 35    |
| Ethylbenzene        | 0.100       | 0.09953     |                | mg/Kg |   | 100  | 70 - 130    | 0   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2078      |                | mg/Kg |   | 104  | 70 - 130    | 1   | 35    |
| o-Xylene            | 0.100       | 0.1051      |                | mg/Kg |   | 105  | 70 - 130    | 1   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 89             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97             |                | 70 - 130 |

Lab Sample ID: 890-3026-A-1-D MS

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35997

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00201      | U                | 0.0998      | 0.09738   |              | mg/Kg |   | 98   | 70 - 130    |
| Toluene | <0.00201      | U                | 0.0998      | 0.1003    |              | mg/Kg |   | 100  | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-3026-A-1-D MS

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35997

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00201      | U                | 0.0998      | 0.09562   |              | mg/Kg |   | 96   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00402      | U                | 0.200       | 0.1967    |              | mg/Kg |   | 99   | 70 - 130    |
| o-Xylene                    | <0.00201      | U                | 0.0998      | 0.1000    |              | mg/Kg |   | 100  | 70 - 130    |
| Surrogate                   | MS %Recovery  | MS Qualifier     | MS Limits   |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 93            |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 96            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 890-3026-A-1-E MSD

Matrix: Solid

Analysis Batch: 35920

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35997

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00201      | U                | 0.100       | 0.09537    |               | mg/Kg |   | 95   | 70 - 130    | 2   | 35        |
| Toluene                     | <0.00201      | U                | 0.100       | 0.09776    |               | mg/Kg |   | 98   | 70 - 130    | 3   | 35        |
| Ethylbenzene                | <0.00201      | U                | 0.100       | 0.09210    |               | mg/Kg |   | 92   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene         | <0.00402      | U                | 0.200       | 0.1922     |               | mg/Kg |   | 96   | 70 - 130    | 2   | 35        |
| o-Xylene                    | <0.00201      | U                | 0.100       | 0.09755    |               | mg/Kg |   | 97   | 70 - 130    | 3   | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | MSD Limits  |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 95            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 97            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-35755/1-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | MB Result    | MB Qualifier | RL        | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|-----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0      |     | mg/Kg |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | MB Limits |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104          |              | 70 - 130  |     |       |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |
| o-Terphenyl                          | 113          |              | 70 - 130  |     |       |   | 09/30/22 08:55 | 09/30/22 09:28 | 1       |

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1023       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 995.8      |               | mg/Kg |   | 100  | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-35755/2-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 35755

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: LCSD 880-35755/3-A

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 939.2       |                | mg/Kg |   | 94   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 896.6       |                | mg/Kg |   | 90   | 70 - 130    | 10  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 101       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-19829-A-1-C MS

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 998         | 727.0     |              | mg/Kg |   | 71   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 998         | 758.3     |              | mg/Kg |   | 74   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 74        |           | 70 - 130 |
| o-Terphenyl    | 67        | S1-       | 70 - 130 |

Lab Sample ID: 880-19829-A-1-D MSD

Matrix: Solid

Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 35755

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 731.1      |               | mg/Kg |   | 72   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 827.6      |               | mg/Kg |   | 81   | 70 - 130    | 9   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 78        |           | 70 - 130 |
| o-Terphenyl    | 73        |           | 70 - 130 |

Eurofins Midland

## QC Sample Results

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 10/03/22 15:59 | 1       |

Lab Sample ID: LCS 880-35803/2-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.8         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-35803/3-A

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 245.3          |                   | mg/Kg |   | 98   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-19828-A-1-C MS

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 251              | F1                  | 252            | 456.8        | F1              | mg/Kg |   | 82   | 90 - 110       |

Lab Sample ID: 880-19828-A-1-D MSD

Matrix: Solid

Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 251              | F1                  | 252            | 457.2         | F1               | mg/Kg |   | 82   | 90 - 110       | 0   | 20           |

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## GC VOA

## Analysis Batch: 35920

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19830-1        | East                   | Total/NA  | Solid  | 8021B  | 35997      |
| MB 880-35997/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 35997      |
| LCS 880-35997/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 35997      |
| LCSD 880-35997/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 35997      |
| 890-3026-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 35997      |
| 890-3026-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 35997      |

## Prep Batch: 35997

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19830-1        | East                   | Total/NA  | Solid  | 5035   |            |
| MB 880-35997/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-35997/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-35997/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-3026-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-3026-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36030

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-19830-1   | East             | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 35738

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19830-1         | East                   | Total/NA  | Solid  | 8015B NM | 35755      |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 35755      |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 35755      |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 35755      |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 35755      |

## Prep Batch: 35755

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-19830-1         | East                   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-35755/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-35755/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-35755/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-19829-A-1-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 35978

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19830-1   | East             | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 35803

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19830-1        | East                   | Soluble   | Solid  | DI Leach |            |
| MB 880-35803/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-35803/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-35803/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

Eurofins Midland

## QC Association Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

## HPLC/IC (Continued)

## Leach Batch: 35803 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 35998

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-19830-1         | East                   | Soluble   | Solid  | 300.0  | 35803      |
| MB 880-35803/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 35803      |
| LCS 880-35803/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 35803      |
| LCSD 880-35803/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 35803      |
| 880-19828-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 35803      |

Lab Chronicle

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

Client Sample ID: East  
Date Collected: 09/29/22 10:00  
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19830-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 35997        | 10/03/22 13:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 35920        | 10/04/22 00:25       | AJ      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36030        | 10/04/22 08:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 35978        | 10/03/22 11:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 35755        | 09/30/22 08:55       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 35738        | 09/30/22 18:27       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 35803        | 09/30/22 10:58       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 35998        | 10/03/22 18:01       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400-22-24      | 06-30-23        |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte    |
|-----------------|-------------|--------|------------|
| 8015 NM         |             | Solid  | Total TPH  |
| Total BTEX      |             | Solid  | Total BTEX |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch  
Project/Site: Denton #5 SWD

Job ID: 880-19830-1  
SDG: Lea Co, NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-19830-1   | East             | Solid  | 09/29/22 10:00 | 09/29/22 16:10 | 0-6"  |

- 1
- 2
- 3
- 4
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- 12
- 13
- 14



## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333  
El Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550 Carlsbad NM (575) 988-3199

## Chain of Custody

Work Order No: 19830

www.xenco.com Page 10 of 11

|                  |                            |       |                         |                                     |
|------------------|----------------------------|-------|-------------------------|-------------------------------------|
| Project Manager: | GRANT HICKABAY             |       | Bill to: (if different) |                                     |
| Company Name:    | FASKEEN OIL AND PUMP, LTD. |       | Company Name:           |                                     |
| Address:         | 6101 HEDGAY HILL RD.       |       | Address:                |                                     |
| City, State ZIP: | MOLAND, TX                 | 79707 | City, State ZIP:        |                                     |
| Phone            | 432-687-1771               |       | Email:                  | granthof@forl.com; address@forl.com |

| Work Order Comments |                                   |                                    |                                      |                                                                 |
|---------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/>  | PRP <input type="checkbox"/>       | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                   |                                    |                                      |                                                                 |
| Reporting           | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/>      | Adapt <input type="checkbox"/>     | Other: _____                         |                                                                 |

|                         |                                                                   |                                                                           |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    |                                               |                                                                 |  |
|-------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|------------------|---------------------------------------------------------------|--|--|--|--|--|--|--|--|--------------------|-----------------------------------------------|-----------------------------------------------------------------|--|
| Project Name:           | Debris HS SMD                                                     | Turn Around                                                               |                                                               | ANALYSIS REQUEST |                                                               |  |  |  |  |  |  |  |  | Preservative Codes |                                               |                                                                 |  |
| Project Number:         |                                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    | None NO                                       | DI Water- H <sub>2</sub> O                                      |  |
| Project Location:       | 15N 13 NM                                                         | Due Date:                                                                 | 3 DAY                                                         |                  |                                                               |  |  |  |  |  |  |  |  |                    | Cool Cool                                     | MeOH Me                                                         |  |
| Sampler's Name:         | Adriana Gutierrez                                                 | TAT starts the day received by the lab, if received by 4:30pm             |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    | HCL HC                                        | HNO <sub>3</sub> HN                                             |  |
| PO #                    |                                                                   |                                                                           |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na                                                         |  |
| SAMPLE RECEIPT          |                                                                   | Temp Blank:                                                               | Yes <input checked="" type="radio"/> No <input type="radio"/> | Wet Ice          | Yes <input checked="" type="radio"/> No <input type="radio"/> |  |  |  |  |  |  |  |  |                    |                                               | H <sub>3</sub> PO <sub>4</sub> HP                               |  |
| Samples Received Inact: | Yes <input checked="" type="radio"/> No <input type="radio"/>     | Thermometer ID:                                                           |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    |                                               | NaHSO <sub>4</sub> NABIS                                        |  |
| Cooler Custody Seals:   | Yes <input checked="" type="radio"/> No <input type="radio"/> N/A | Correction Factor:                                                        |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    |                                               | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NASO <sub>3</sub> |  |
| Sample Custody Seals:   | Yes <input checked="" type="radio"/> No <input type="radio"/> N/A | Temperature Reading:                                                      |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    |                                               | Zn Acetate+NaOH Zn                                              |  |
| Total Containers:       |                                                                   | Corrected Temperature:                                                    |                                                               |                  |                                                               |  |  |  |  |  |  |  |  |                    |                                               | NaOH+Ascorbic Acid SAMP                                         |  |

[illegible]

**880-19830 Chain of Custody**

| Total 200.7/6010                             | 200.8/6020:          |                                                                                               |
|----------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Circle Method(s) and Metal(s) to be analyzed | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
|                                              | TCLP/SLP 6010        | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                          |
|                                              |                      | Hg 1631/2451/7470/7471                                                                        |

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

| Relinquished by (Signature)                                                         | Received by (Signature)                                                           | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-----------------------------|-------------------------|-----------|
| 1  |  | 9/29/22   | 2                           |                         |           |
| 3                                                                                   |                                                                                   | 10/10     | 4                           |                         |           |
| 5                                                                                   |                                                                                   |           | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19830-1

SDG Number: Lea Co, NM

Login Number: 19830

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 192824

CONDITIONS

|                                                                                  |                                                           |
|----------------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>FASKEN OIL & RANCH LTD<br>6101 Holiday Hill Rd<br>Midland, TX 79707 | OGRID:<br>151416                                          |
|                                                                                  | Action Number:<br>192824                                  |
|                                                                                  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition                                                                    | Condition Date |
|------------|------------------------------------------------------------------------------|----------------|
| bhall      | Confirmation samples must be representatvie of no more than 400 square feet. | 3/7/2023       |
| bhall      | Submit a complete report though the OCD Permitting website by 6/9/2023.      | 3/7/2023       |