

Wescom Inc. 1224 Standpipe Road Carlsbad, New Mexico 88220

> (575) 840-3940 wescominc.com

October 27, 2021

Robert Hamlet, Victoria Venegas, and/or Chad Hensley State of New Mexico Energy, Minerals, and Natural Resources New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

Re: Deferral Request

| Company: | Devon Energy |
|--------------|--------------------------|
| Location: | Lava Fee #001 |
| API: | 30-015-42136 |
| PLSS: | Unit P Sec 03 T23S R27E |
| GPS: | 32.3301849, -104.1732712 |
| Incident ID: | NAPP2122429670 |

Background

Wescom, Inc., hereafter referred to as Wescom, has prepared this deferral request on behalf of Devon Energy, hereafter referred to as Devon, regarding the release at the Lava Fee #001 (Site) located in Unit P, Section 03, Township 23 South and Range 27 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.3301849 and West -104.1732712. Surface owner of the site is private land. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 2 Artesia.

On August 10, 2021, a gasket on a manway cover failed which caused three barrels (bbls) of crude oil and three bbls of produced water to be released inside the lined secondary containment. The gasket failure occurred on a treating tower located at the North side of the central tank battery (CTB). Two bbls of crude oil and three bbls of produced water was contained and recovered from inside the containment. Vegetation in the field located to the West of the CTB was lightly misted by the overspray event. In addition, the road in between the field and the CTB was impacted.

On September 8, 2021, Wescom inspected the lined secondary containment and a half-inch diameter hole was found in between tanks 123514-3 and 69718 on the South side of containment. A one-inch tear was located to the Southeast side of the treating tower serial number (S/N): V3910 and a ten-inch tear was found to the East side of the treating tower (S/N): V3910 (see Attachment B). Wescom was dispatched to location on September 10, 2021, to sample the soils beneath the small tears and determine if those soils would require remediation. The liner was cut to allow sampling and immediately repaired by Rose Gold Liners LLC. Samples collected on the surface indicated remediation would be required. Additional samples were collected to determine vertical extent. Sample results indicate vertical impacts did not extend below



surface in between the tanks and did not extend below four feet next to the treating tower (S/N): V3910. Removal of impacted soils below the lined secondary containment would not be possible without deconstruction of production equipment and impacted soil does not pose imminent risk. Therefore, Devon Energy respectfully requests deferral for the removal of soils below containment until the well is plugged and the facilities are removed.

Per landowner request, impacted soils in the field adjacent to the CTB will not be removed. The area of the road that was impacted by the overspray event, was excavated and contaminated soils were properly disposed of.

Surface & Ground Water

The New Mexico Office of the State Engineer (OSE) records indicates nearest ground water measurement in the area is greater than 55 feet below ground surface (bgs) and is 0.33 miles North of the location, shown in Attachment C.

Karst Potential

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

Target Remedial Levels

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. The applicable Recommended Remediation Action Levels (RRAL) for the Site is 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), 2,500 ppm Total Petroleum Hydrocarbons (TPH), and 1,000 ppm combined GRO and DRO. Characterization of vertical and horizontal extent of chloride concentration to a level of 10,000 milligrams per kilogram (mg/kg) or ppm is also required.



| Closure Criteria (19.1 | 5.29.12. | B(4) and Table 1 NMAC) | | | | _ |
|--|--------------|--|-------------|---------------|------|---------|
| Lava Fee #001 | - 32.330 | 185, -104.173271 | | | | |
| Depth to Groundwater | | Closur | re Criteria | (units in mg/ | kg) | |
| | | Chloride * numerical limit or background, whichever is greater | TPH | GRO+DRO | BTEX | Benzene |
| Based on high karst potential | | 600 | 100 | | 50 | 10 |
| less than 50 ft bgs or no water data within 1/2 mile | | 600 | 100 | | 50 | 10 |
| 51 ft to 100 ft | | 10000 | 2500 | 1000 | 50 | 10 |
| greater than 100 ft | | 20000 | 2500 | 1000 | 50 | 10 |
| Surface water | yes or no | If yes, then | | | | |
| < 300 feet from continuously flowing watercourse or other significant watercourse? | No | | | | | |
| < 200 feet from lakebed, sinkhole or playa lake? | No | | | | | |
| Water Well or Water Source | | | | 1 1 | | |
| < 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? | No | | | | | |
| < 1000 feet from fresh water well or spring? | No | | | | | |
| Human and Other Areas | | | | | | |
| < 300 feet from an occupied permanent residence, school, hospital, institution or church? | No | | | | | |
| within incorporated municipal boundaries or within a defined municipal fresh water well field? | No | | | | | |
| < 100 feet from wetland? | No | | | | | |
| within area overlying a subsurface mine? | No | | | | | |
| within an unstable area? | No | | | | | |
| within a 100-year floodplain? | No | | | - | | |

Site Assessment & Remediation Activities

Off-site Remediation

Beginning August 20, 2021, Devon contracted Wescom to begin delineation activities to determine the horizontal and vertical extent of the off-site spill area. Confirmation samples were collected to determine the extent of the overspray area in the field to the West of the CTB, see Figure 1. The sudan crop in the field was cut and bailed and the soil was tilled under for fall planting before the release occurred. Per landowner request, impacted soils in the field are to remain in place.

On September 07, 2021, Wescom personnel arrived onsite to begin excavation of the road area in between the field and the CTB, shown in Figure 2. Excavation of the road area was completed on September 14, 2021. Approximately 200 yards of contaminated soil was removed from the road area and disposed of at an approved facility. Confirmation sampling was completed over the five-day excavation period. Since the road in between the field and the CTB is off-site, Devon was committed to removing as much of the contaminated soil as possible. Confirmation results from the road area are well below the applicable RRAL for the Site and are presented in Table 3 and Figure 2.



On-site Assessment

Wescom personnel conducted a liner inspection on September 08, 2021 and three potential release points were identified within containment: a half-inch hole was found between tanks 123514-3 and 69718 on the South side of containment, a one-inch tear was located to the Southeast side of the treating tower (S/N): V3910 and a ten-inch tear was found to the East side of the treating tower (S/N): V3910 (see Attachment B). The results of the inspection determined that delineation activities would be required.

Wescom personnel conducted horizontal delineation sampling around the outside of the containment on September 10, 2021. Samples surrounding the containment were below the applicable RRAL (see Table 2 and Figure 3). Vertical delineation sampling as well as confirmation sampling was completed inside containment on September 10, 2021. CONF01 was collected from the ten-inch tear to the East side of the treating tower and was below RRALs at a depth of one and a half feet below ground surface (bgs). CONF02 was collected from the one-inch tear located to the Southeast of the treating tower and was below RRALs at a depth of one-foot bgs. All three holes were immediately patched by Rose Gold Oil Field Services. Wescom personnel returned to the Site on October 18, 2021 to resample the three confirmation areas at surface. CONF03A was below the applicable RRAL at zero feet bgs. Rose Gold Oil Field Services was onsite to patch the new holes in the liner after the sampling event had been completed.

The required 48-hour liner inspection and confirmation sampling notifications were sent on September 03, September 10, September 13, and October 13, 2021 to Victoria Venegas, Robert Hamlet, Chad Hensley and Mike Bratcher with the NMOCD in Santa Fe, New Mexico.

Confirmation composite samples were obtained from September 07 through September 14, 2021 and again on October 18, 2021. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0/9056A. The results are presented in Table 3 and Table 4. Laboratory Analytical Reports are included in Attachment E. Locations of samples are shown in Figures 1, 2 and 3.

Request for Deferral

On behalf of Devon, Wescom requests to defer approximately 828 cubic yards of contaminated soil until the Lava Fee #001 well is plugged and abandoned and reclamation activities commence based on the logic below. Area requested for deferral is shown in Figure 3.

- All confirmation areas meet the RRALs, except CONF01A and CONF02A (see Table 4 and Figure 3), which are surrounding the existing separator S/N: V3910 and fall within the area requested for deferral.
- Due to the location of the contaminated soil, it is not practical to remove for remediation. This separator and well are currently active and would require shutting in the well for an extended period in order to remove substrate beneath separator containment.



• The existing separator containment is intact, holes in the liner have been patched by Rose Gold Oil Field Services. The liner will act as a barrier to future hydrostatic pressure in existing contaminated soil, inhibiting the potential for transport of contamination to groundwater.

If you have any questions or comments, please do not hesitate to call Mrs. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo Environmental Manager - Permian

Figures

- Figure 1. Off-Site Spill Area
- Figure 2. Off-Site Excavation Area
- Figure 3. On-Site Spill Area

Tables

- Table 1.
 Laboratory Analysis Results Delineation Sampling (Off-Site)
- Table 2. Laboratory Analysis Results Delineation Sampling (On-Site)
- Table 3.
 Laboratory Analysis Results Confirmation Sampling (Off-Site)
- Table 4.
 Laboratory Analysis Results Confirmation Sampling (On-Site)

Attachments

| Attachment A. | C-141 |
|---------------|--|
| Attachment B. | Site Photos |
| Attachment C. | Closure Criteria Research |
| Attachment D. | Karst Map |
| Attachment E. | Envirotech, Inc. Laboratory Analysis Reports |

Figures









Tables



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| | Lava Fee #1 Devon Energy | | | | | | |
|---|---|---------|--------------|-----------------|------------|---------|-----------|
| | October 27, 2021 | | | | | | |
| | Table 1. Laboratory Analysis Results - Off-Site Delineation | | | | | | |
| Sam | ple Descrip | tion | | Petroleum | Hydrocarbo | ns | Inorganic |
| | | | Vola | atile | Extra | actable | |
| Sample ID | Depth (ft.) | Date | Benzene | BTEX (total) | ТРН | GRO+DRO | Chloride |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Closure Cri | teria | | 10 | 50 | 2500 | 1000 | 10000 |
| BG01 | 0 | 8/20/21 | ND | ND | 32.2 | 32.2 | 240 |
| BG01 | 2 | 8/20/21 | ND | ND | ND | ND | 396 |
| CONF01 | 0 | 8/20/21 | ND | ND | ND | ND | 118 |
| CONF02 | 0 | 8/20/21 | ND | ND | ND | ND | 125 |
| CONF03 | 0 | 8/20/21 | ND | ND | 152.9 | 50.9 | 153 |
| CONF04 | 0 | 8/20/21 | ND | ND | 947 | 681 | 4560 |
| CONF05 | 0 | 8/20/21 | ND | ND | 48.2 | 48.2 | 723 |
| CONF06 | 0 | 8/20/21 | ND | ND | 46 | 46 | 2010 |
| Abbreviations:BTEX - Benzene, Toluene, Ethylbenzene,GRO - Gasoline Range OrganicsXylenemg/kg - milligrams per kilogramDRO - Diesel Range OrganicsND - Non-detectft feetTPH - Total Petroleum Hydrocarbons | | | | | | | |
| Notes: | Deculto ene | | n closure cr | it o vi o | | | |

Red Bold - Results are greater than closure criteria.



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| | Lava Fee #1 | | | | | | |
|-----------------------|---|-------------|--------------|-----------------|---------|---------|-----------|
| | Devon Energy | | | | | | |
| | October 27, 2021 | | | | | | |
| | | | <u> </u> | s Results - C | | | |
| Sam | ple Descrip | tion | | Petroleum | , | | Inorganic |
| | | | Vola | atile | Extra | actable | |
| Sample ID | Depth (ft.) | Date | Benzene | BTEX (total) | ТРН | GRO+DRO | Chloride |
| | | | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| Closure Cri | teria | | 10 | 50 | 2500 | 1000 | 10000 |
| BG01 | 0 | 8/20/21 | ND | ND | 32.2 | 32.2 | 240 |
| BG01 | 2 | 8/20/21 | ND | ND | ND | ND | 396 |
| SS01 | 0 | 9/15/21 | ND | ND | ND | ND | 211 |
| SS02-A | 0 | 9/15/21 | ND | ND | 142.5 | 36.5 | 942 |
| SS03-A | 0 | 9/15/21 | ND | ND | 95.8 | 28.3 | 978 |
| SS04 | 0 | 9/15/21 | ND | ND | ND | ND | 521 |
| SS05 | 0 | 9/15/21 | ND | ND | ND | ND | 355 |
| SS06 | 0 | 9/15/21 | ND | ND | ND | ND | 135 |
| SS07 | 0 | 9/15/21 | ND | ND | 236.8 | 98.8 | 403 |
| BTEX - Ben: Xylene | DRO - Diesel Range Organics ND - Non-detect | | | | | | |
| GRO - | | | | | | | |
| Notes: | D | | | | | | |
| Red Bold - | Results are | greater tha | n closure cr | iteria. | | | |



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| | Lava Fee #1 | | | | | | |
|-----------------------------|---|-------------|--------------------|----------------------------|----------------|--------------------|---------------------|
| | | | | Energy | | | |
| | | | October | | | | |
| | Table 3. Laboratory Analysis Results - Off-Site | | | | | | |
| Sam | ple Descrip | tion | | etroleum H | ydrocarbor | IS | Inorganic |
| | | | Vola | atile | Extra | ctable | |
| Sample ID | Depth (ft.) | Date | Benzene (mg/kg) | BTEX (total) (mg/kg) | TPH (mg/kg) | GRO+DRO (mg/kg) | Chloride (mg/kg) |
| Closure Cri | teria | | 10 | 50 | 2500 | 1000 | 10000 |
| BG01 | 0 | 8/20/21 | ND | ND | 32.2 | 32.2 | 240 |
| BG01 | 2 | 8/20/21 | ND | ND | ND | ND | 396 |
| CONF01 | 0 | 8/20/21 | ND | ND | ND | ND | 118 |
| CONF02 | 0 | 8/20/21 | ND | ND | ND | ND | 125 |
| CONF03 | 0 | 8/20/21 | ND | ND | 152.9 | 50.9 | 153 |
| CONF04 | 0 | 8/20/21 | ND | ND | 947 | 681 | 4560 |
| CONF05 | 0 | 8/20/21 | ND | ND | 48.2 | 48.2 | 723 |
| CONF06 | 0 | 8/20/21 | ND | ND | 46 | 46 | 2010 |
| CONF07 | 8" | 9/15/21 | ND | ND | ND | ND | 267 |
| CONF08 | 4.5 | 9/16/21 | ND | ND | ND | ND | 638 |
| CONF09 | 4.5 | 9/16/21 | ND | ND | ND | ND | 237 |
| CONF10 | 4.5 | 9/16/21 | ND | ND | ND | ND | 675 |
| CONF11 | 3 | 9/15/21 | ND | ND | ND | ND | 417 |
| CONF12 | 3 | 9/15/21 | ND | ND | ND | ND | 436 |
| CONF13 | 4.5 | 9/16/21 | ND | ND | ND | ND | 815 |
| CONF14 | 4.5 | 9/16/21 | ND | ND | ND | ND | 688 |
| CONF15 | Wall | 9/16/21 | ND | ND | ND | ND | 642 |
| CONF16 | Wall | 9/16/21 | ND | ND | ND | ND | 227 |
| CONF17 | Wall | 9/16/21 | ND | ND | ND | ND | 802 |
| CONF18 | Wall | 9/16/21 | ND | ND | ND | ND | 766 |
| CONF23 | 0 | 9/15/21 | ND | ND | 65.4 | ND | 261 |
| CONF24 | 0 | 9/15/21 | ND | ND | 64.3 | ND | 287 |
| CONF25 | 0 | 9/15/21 | ND | ND | 77.9 | ND | 278 |
| Xylene | ons: zene, Toluer el Range Org | | nzene, | mg/kg - mi ND - Non-d | | - | ns |
| Notes: Red Bold - | Results are | greater tha | n closure cri | iteria. | | | |



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| | | | | Energy | | | |
|-----------------------|---|------------|--------------------|-----------------------------|----------------|--------------------|---------------------|
| L | | Table 4 1a | October | • | ta On Sita | | |
| Sam | ple Descrip | | - | alysis Resul Petroleum H | | NC . | Inorganic |
| Jan | ipie Descrip | lion | | atile | | ctable | morganic |
| Sample ID | Depth (ft.) | Date | Benzene (mg/kg) | BTEX (total) (mg/kg) | TPH (mg/kg) | GRO+DRO (mg/kg) | Chloride (mg/kg) |
| Closure Cri | Closure Criteria | | | 50 | 2500 | 1000 | 10000 |
| BG01 | 0 | 8/20/21 | ND | ND | 32.2 | 32.2 | 240 |
| BG01 | 2 | 8/20/21 | ND | ND | ND | ND | 396 |
| CONF01 | 1.5 | 9/15/21 | ND | ND | ND | ND | 107 |
| CONF01A | 0 | 10/20/21 | ND | 0.671 | 8018 | 6018 | 190 |
| CONF02 | 4 | 9/15/21 | ND | ND | ND | ND | 45.2 |
| CONF02A | 0 | 10/20/21 | ND | 6.67 | 11716 | 8836 | 423 |
| CONF03 | 1 | 9/15/21 | ND | ND | 28.4 | 28.4 | 173 |
| CONF03A | 0 | 10/20/21 | ND | ND | 394 | 182 | 46 |
| BTEX - Ben: Xylene | DRO - Diesel Range Organics ND - Non-detect | | | | | | |
| | Resampled - Original Co | | - | | | | |

Released to Imaging: 12/15/2021 10:07:26 AM

Attachment A

Signed C-141



District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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| Incident ID | nAPP2122429670 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible Party: WPX Energy Permian, LLC | OGRID: 246289 |
|---|---|
| Contact Name: Jim Raley | Contact Telephone: 575-689-7597 |
| Contact email: jim.raley@dvn.com | Incident # (assigned by OCD) nAPP2122429670 |
| Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220 | |

Location of Release Source

Latitude 32.3301849_

Longitude -104.1732712_____

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: LAVA FEE #001 | Site Type: Oil Production Facility |
|--|------------------------------------|
| Date Release Discovered: Aug 10 th , 2021 | API# (if applicable) 30-015-42136 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| Р | 03 | 238 | 27E | Eddy |

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

| 🛛 Crude Oil | rial(s) Released (Select all that apply and attach calculations or speci Volume Released (bbls) 3 | Volume Recovered (bbls) 2 |
|--------------------------|--|---|
| | Volume Released (0013) 5 | |
| Produced Water | Volume Released (bbls) 3 | Volume Recovered (bbls) 2 |
| | Is the concentration of dissolved chloride in the | Yes No |
| | produced water >10,000 mg/l? | |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| | | |
| | tet on manway cover failed, allowing fluids to be releas | sed to lined secondary containment. Small area of |
| vegetation, outside of c | ontainment, was misted with fluids. | |
| | | |
| hhlastimata satu | rated soil volume (ft^3) | |
| bbi est imale = | $\frac{rated soil volume (ft^{3})}{4.21(\frac{ft^{3}}{bbl \ equivalent})} * estimated soil porosity(\%)$ |) + recovered fluids (bbl) |
| | "" bbl equivalent' | |

| | Page 17 of 16 |
|----------------|----------------|
| Incident ID | nAPP2122429670 |
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
|--------------------------|---|
| release as defined by | |
| 19.15.29.7(A) NMAC? | |
| 🗌 Yes 🖾 No | |
| | |
| | |
| | |
| If YES, was immediate ne | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| | |
| | |

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

| Printed Name: | James Raley | Title: Environmental Specialist |
|---------------|-------------|---------------------------------|
| Signature: | fin Roly | Date:08/16/2021 |
| email:jim.ral | ey@dvn.com | Telephone:575-689-7597 |
| | | |
| OCD Only | | |
| Received by: | | Date• |

Received by OCD: 10/28/2021 8:22:58 AM Form C-141 State of New Mexico

Oil Conservation Division

| | Page 18 of 16 |
|----------------|----------------|
| Incident ID | nAPP2122429670 |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>72</u> (ft bgs) | | | | | | |
|---|--------------------|--|--|--|--|--|--|
| Did this release impact groundwater or surface water? | | | | | | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 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)? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🛛 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? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🛛 No | | | | | | |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No | | | | | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🔀 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

Page 3

- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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.

| Received by OCD: 10/28/202 | 21 8:22:58 AM State of New Mexico | | | Page 19 of 16 |
|---|---------------------------------------|--|---|---|
| | | | Incident ID | nAPP2122429670 |
| Page 4 | Oil Conservation Division | | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| regulations all operators are republic health or the environmed failed to adequately investigat addition, OCD acceptance of a and/or regulations. Printed Name: James Raley Signature: | · · · · · · · · · · · · · · · · · · · | ations and perform of D does not relieve th o groundwater, surf ponsibility for comp tle: <u>Environmenta</u> Date: _10/28/2021 | corrective actions for rele ne operator of liability sh face water, human health pliance with any other fea al Specialist | eases which may endanger ould their operations have or the environment. In deral, state, or local laws |
| OCD Only Received by: | | Date: | | |

Received by OCD: 10/28/2021 8:22:58 AM Form C-141 State of New Mexico

Oil Conservation Division

| Incident ID | nAPP2122429670 |
|----------------|----------------|
| 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

Page 5

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)

| $\mathbf{D}_{\mathbf{r}} \mathbf{f}_{\mathbf{r}} = \mathbf{I} \mathbf{D}_{\mathbf{r}} \mathbf{D}_{\mathbf{r}} \mathbf{f}_{\mathbf{r}} \mathbf{f}_{r$ | | | | | | |
|--|---|--|--|--|--|--|
| <u>Deferral Requests Only</u> : Each of the following items must be conj | hrmea as part of any request for deferrat of remeatation. | | | | | |
| Contamination must be in areas immediately under or around prodeconstruction. | oduction equipment where remediation could cause a major facility | | | | | |
| 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 rules and regulations all operators are required to report and/or file co- which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la | ertain release notifications and perform corrective actions for releases ice of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of | | | | | |
| Printed Name: James Raley | Title: Environmental Proffessional | | | | | |
| Signature: | Date: 10/28/2021 | | | | | |
| email: jim.raley@dvn.com | Telephone:575-689-7597 | | | | | |
| | | | | | | |
| OCD Only | | | | | | |
| Received by: Chad Hensley | Date: 12/15/2021 | | | | | |
| Approved Approved with Attached Conditions of A | Approval 🗌 Denied 🛛 Deferral Approved | | | | | |
| Signature: Charl Here Can | Date: 12/15/2021 | | | | | |

•

Attachment B

Site Photos







Liner Inspection



1/2" Hole - Between tanks 123514-3 and 69718





1/2" Hole - Between tanks 123514-3 and 69718



West Side - Containment





South Side - Containment



10" tear - East of Treating Tower S/N: V3910





1" tear - South side of Treating Tower S/N: V3910



Northwest Side - Containment





Confirmation Sampling - CONF03A



Confirmation Sampling - CONF02A





Excavation Area - Off-Site



Excavation Area - Off-Site

Attachment C

Closure Criteria Research



New Mexico Office of the State Engineer Point of Diversion Summary

| | IAD83 UT | ΓM in meters) | | | | | | | | | |
|----------------|----------|----------------------|-------------|-------------------------------------|-------|------|-------------------------------|--------------------------|-----------|------|--|
| Well Tag | PC | DD Number | (I | rters are s Q16 Q4 | | | o , (| | | | |
| - | С | 03072 | 3 | 4 2 | 03 | 235 | 27E 5 | 577873 | 3577869* | 9 | |
| Driller Licens | se: | 1348 | Driller Co | ompany | /: TA | YLC | R WATER | WELL | SERVICE | | |
| Driller Name | : | | | | | | | | | | |
| Drill Start Da | te: | 06/06/2005 | Drill Finis | sh Date | : | 06/ | 14/2005 | Plug | Date: | | |
| Log File Date | PCW Rcv | / Date: | | | | Sour | ce: | Shallow | | | |
| Pump Type: | | | Pipe Disc | charge | Size: | | | Estimated Yield: 200 GPM | | | |
| Casing Size: | Depth W | Depth Well: 119 feet | | | | | h Water: | 72 feet | | | |
| N | /ate | r Bearing Strati | ications: | Тор | Bott | om | Descriptio | n | | | |
| | | | | 30 36 Sandstone/Gravel/Conglomerate | | | | | rate | | |
| | | | | 74 | | 86 | Sandstone/Gravel/Conglomerate | | | | |
| | | | | 99 | | 119 | Sandstone | /Gravel | /Conglome | rate | |
| | | Casing Per | forations: | Тор | Bott | om | | | | | |
| | | | | 79 | | 119 | | | | | |

*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.

(A CLW##### in the

(R=POD has

New Mexico Office of the State Engineer **Wells with Well Log Information**

| (A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right | | (R=POD been rep) O=orpha C=the fil closed) | laced, ned, | (quart | ters are 1=1 (quarters | | | | (NAD) | 33 UTM in meters) | | | | (in fe | et) | |
|---|-----------------------|--|----------------|--------------|---------------------------|--------------|----|------------------|-----------|-------------------|---------------------------------------|---------------------------|--------------------|-------------|---------------------------------------|--------------|
| | | | POD | | | qqq | | | | | | | Log File | Depth | Depth | Licens |
| | D Number 0549 | Code | Subbasin C | County ED | | 64164 133 | | Tws Rr 23S 27 | | ¥ 3577270* | Distance Start Date 471 04/26/1954 | Finish Date 05/04/1954 | Date 09/15/1955 | Well 150 | Water Driller 65 SPENCER, DAVID A. | Numbe 138 |
| <u>C (</u> | 0295 | | CUB | ED | Shallow | 333 | 02 | 238 27 | 'E 578276 | 3577070* 🦲 | 537 03/04/1952 | 03/29/1952 | 04/21/1952 | 194 | 54 D.A. SPENCER | |
| <u>C (</u> | 3072 | | С | ED | Shallow | 3 4 2 | 03 | 238 27 | 'E 577873 | 3577869* 🧉 | 537 06/06/2005 | 06/14/2005 | 08/15/2005 | 119 | 72 | 1348 |
| <u>c (</u> | 0567 | | CUB | ED | Shallow | 1 1 3 | 02 | 23S 27 | E 578275 | 3577672* 🧉 | 574 07/16/1954 | 07/20/1954 | 09/01/1954 | 174 | 90 SPENCER, DAVID A. | 138 |
| <u>C (</u> | 0743 | | С | ED | Shallow | | 03 | 238 27 | 'E 577370 | 3577750* | 603 02/03/1957 | 02/12/1957 | 04/02/1957 | 125 | 60 HOWARD HEMLER | 24 |
| <u>c (</u> | 0766 | | CUB | ED | Shallow | 3 1 1 | 11 | 23S 27 | E 578282 | 3576672* | 814 | 07/12/1957 | 09/30/1958 | 199 | 22 BRININSTOOL | 24 |
| <u>C (</u> | 2995 | | С | ED | Shallow | 4 3 1 | 02 | 238 27 | 'E 578475 | 3577875* 🥥 | 857 01/20/2004 | 02/14/2004 | 02/20/2004 | 89 | 65 VLOSICH, JOSEPH M., JR. | 1536 |
| <u>C (</u> | 11203 | | С | ED | Shallow | 4 1 | 03 | 238 27 | 'E 577168 | 3577958* 🌑 | 893 06/27/1964 | 07/10/1964 | 02/05/1965 | 100 | 35 SMITH, SAM S. | 108 |
| <u>C (</u> | 3000 POD2 | | С | ED | Shallow | 2 3 3 | 03 | 238 27 | 'E 576866 | 3577246 🌍 | 947 08/06/2012 | 08/10/2012 | 08/21/2012 | 150 | 80 NORRIS, JOHN D. (LD) | 1682 |
| <u>c (</u> | 3000 | R | С | ED | Shallow | 2 3 3 | 03 | 238 27 | 'E 576866 | 3577246* 🌍 | 947 10/02/2003 | 10/02/2003 | 10/20/2003 | 52 | 19 | 1348 |
| <u>c (</u> | 0283 | | С | ED | Shallow | 2 2 | 03 | 238 27 | 'E 577973 | 3578373* 🌍 | 1050 05/25/1983 | 06/03/1983 | 06/16/1983 | 108 | 60 INGRAM, JACK L. | 591 |
| <u>c (</u> | 2226 | | С | ED | Shallow | 2 2 | 03 | 238 27 | 'E 577973 | 3578373* 🌍 | 1050 07/03/1991 | 07/06/1991 | 07/17/1991 | 135 | 70 MARK HAMMOND | 461 |
| <u>C (</u> | 2324 | | С | ED | Shallow | 1 2 | 03 | 238 27 | 'E 577571 | 3578367* 🌍 | 1058 06/24/1993 | 06/28/1993 | 07/09/1993 | 125 | 75 CAMPBELL, MICHAEL R. | 1259 |
| <u>C (</u> | <u>2977</u> | | С | ED | Shallow | 1 1 2 | 03 | 238 27 | E 577470 | 3578466* 🌍 | 1180 03/12/2004 | 03/16/2004 | 03/29/2004 | 179 | 125 AINSWORTH, RYAN D. | 1540 |
| <u>C (</u> | <u>10720</u> | | С | ED | Shallow | 1 1 | 02 | 238 27 | E 578375 | 3578379* 🌍 | 1187 03/15/1957 | 03/26/1957 | 04/17/1957 | 108 | 64 DAVID A. SPENCER | 138 |
| <u>C (</u> | 2897 | | С | ED | Shallow | 2 1 1 | 02 | 238 27 | 'E 578474 | 3578478* 🌍 | 1322 08/19/2002 | 08/26/2002 | 10/02/2002 | 168 | 68 | 1348 |
| <u>C (</u> | 0546 | | С | ED | Shallow | 1 3 1 | 03 | 238 27 | E 576663 | 3578051* 🌍 | 1351 04/24/1954 | 04/27/1954 | 05/12/1954 | | 123 SMITH, SAM S. | 108 |
| <u>C (</u> | 0038 <u>S</u> | | CUB | ED | Shallow | 1 2 1 | 02 | 238 27 | 'E 578679 | 3578485* 🌍 | 1441 02/16/1948 | 02/26/1948 | 03/08/1948 | 171 | KIMMELL & MCDANIEL. | |
| <u>C (</u> | 0400 | | С | ED | Shallow | 4 4 2 | 04 | 23S 27 | 'E 576459 | 3577846* 🌍 | 1443 10/31/1951 | 10/31/1951 | 01/12/1954 | 145 | HEMLER, HOWARD | |
| <u>C (</u> | 0068 | | CUB | ED | Shallow | 1 3 1 | 10 | 23S 27 | 'E 576673 | 3576441* 🌍 | 1445 04/07/1948 | 04/21/1948 | 03/18/1949 | 175 | J.F. KIMMELL. | |
| <u>C (</u> | 1971 | | С | ED | Shallow | 1 1 | 03 | 23S 27 | 'E 576762 | 3578354* 🌍 | 1460 11/08/1982 | 11/12/1982 | 11/22/1982 | 164 | 145 MAGBY, EDGAR | 969 |
| <u>C (</u> | 1989 | | С | ED | Shallow | 1 1 | 03 | 238 27 | E 576762 | 3578354* 🌍 | 1460 08/28/1983 | 09/20/1984 | 10/10/1984 | 168 | 88 BALLARD, JOHN A. | 489 |
| <u>C (</u> | 2146 | | С | ED | Shallow | 1 1 | 03 | 238 27 | E 576762 | 3578354* 🌍 | 1460 05/06/1987 | 05/12/1987 | 06/11/1987 | 125 | 125 | 592 |
| <u>C (</u> | 2148 | | С | ED | Shallow | 1 1 | 03 | 238 27 | E 576762 | 3578354* 🌍 | 1460 05/19/1987 | 05/25/1987 | 06/22/1987 | 125 | 70 | 592 |
| <u>C (</u> | 2150 | | С | ED | Shallow | 1 1 | 03 | 23S 27 | E 576762 | 3578354* 🌍 | 1460 06/05/1987 | 06/12/1987 | 02/22/1988 | 125 | 70 | 592 |
| <u>C (</u> | 2154 | | С | ED | Shallow | 1 1 | 03 | 23S 27 | E 576762 | 3578354* 🌍 | 1460 07/01/1987 | 07/11/1987 | 02/22/1988 | 125 | 70 | 592 |
| <u>C (</u> | 2166 | | С | ED | Shallow | 1 1 | 03 | 238 27 | 'E 576762 | 3578354* 🌍 | 1460 05/23/1988 | 06/04/1988 | 06/08/1989 | 140 | 75 | 592 |
| <u>C (</u> | 0034 | | С | ED | Shallow | 2 2 1 | 02 | 238 27 | 'E 578879 | 3578485* 🌍 | 1570 12/29/1947 | 01/06/1948 | 01/30/1948 | 131 | KIMMEL, J.F. | 153 |
| <u>C (</u> | 0068 CLW193190 | 0 | CUB | ED | Shallow | 3 3 1 | 10 | 238 27 | 'E 576673 | 3576241* 🌍 | 1577 04/07/1948 | 04/21/1948 | 03/18/1949 | 175 | J.F. KIMMELL. | |
| | <u>11973</u> | | С | ED | Shallow | | | 238 27 | | 3578453* 🧉 | 1602 07/07/1981 | 07/11/1981 | 07/23/1981 | 127 | 90 MURRELL ABBOTT | 46 |
| | 0420 | С | CUB | ED | | | | 238 27 | | 3576337* 🥑 | 1751 01/07/1953 | 02/16/1953 | | 2151 | CARPER DRILLING CO. | |
| | 1700 | | С | ED | Shallow | | | 228 27 | | 3578756* 🥥 | 1765 08/02/1976 | 08/23/1976 | | 205 | 118 TAYLOR, BILL G. | 655 |
| | 1801 | | С | ED | Shallow | | | 228 27 | | 3578756* 🥑 | 1765 05/22/1978 | | | 220 | BRININSTOOL, W.D. | 24 |
| | <u>13043</u> | | С | ED | | | | 228 27 | | 3578855* | 1792 06/05/2004 | 07/10/2004 | | 118 | 68 JOSEPH M VLOSICH, JR | 1536 |
| | 4349 POD1 | | С | ED | | | | 228 27 | | 3579115 | 1805 03/23/2020 | 03/23/2020 | | 200 | 100 FRIESSEN, JACOBONTEE.NER | 1753 |
| | 1 <u>0680</u> | | С | ED | | | | 228 27 | | 3579085* | 1809 01/01/1956 | | 05/23/1956 | 150 | 46 HOWARD HEMLER | 24 |
| | <u>13290</u> | | С | ED | | | | 228 27 | | 3578778 | 1810 09/03/2007 | 09/14/2007 | | 127 | 72 25. EDWING DANIDALI | 1348 |
| | 1 <u>1761</u> | | C C | ED | Shallow | | | 228 27 | | 3578980* | 1814 06/09/1977 | 06/13/1977 | | 135 | 85 JENKINS, RANDALL | 460 |
| | <u>13060</u> 10171 | | CUB | ED ED | | | | 238 27 228 27 | | 3575460 | 1897 05/31/2005 1944 01/02/1952 | 06/01/2005 03/02/1950 | 08/15/2005 | 139 198 | 87 21 A. M. BRIMSTOOL | 1348 |
| | 10171 CLW193980 | 0 | CUB | ED | | | | 228 27 | | 3579279* | 1944 01/02/1932 | 05/02/1950 | | 265 | J. F. KIMMELL | |
| | 211 <u>3</u> | 0 | С | ED | Shallow | | | 238 27 | | 3579279* | 2024 10/15/1984 | 01/15/1985 | | 205 | 80 GEORGE WEST | 817 |
| | 051 <u>5</u> | | CUB | ED | | | | 235 27 228 27 | | 3575573* | 2024 10/13/1984 2036 05/20/1954 | 12/31/1946 | | 180 | 80 FRED BOND | 167 |
| | 10291 CLW198354 | 0 | CUB | ED | | | | 238 27 | | 3578650* | 2050 03/20/1954 2067 04/01/1953 | 05/01/1940 | | 180 | 70 A.M. BRIMINSTOOL | 107 |
| | 10030 | 0 | CUB | ED | | | | 235 27 | | 3579267* | 2007 04/01/1933 | 03/12/1948 | 11/18/1981 | 205 | 50 J.H. TOMBLIN. | 592 |
| | 0030 CLW193032 | 0 | CUB | ED | | | | 228 27 228 27 | | 3579267* | 2071 02/16/1948 | 03/12/1948 | | 205 | HOWARD HEMLER, DRLRS | 572 |
| | 0356 | 0 | С | ED | Shallow | | | 228 27 | | 3579359* | 2072 01/06/1953 | 01/16/1953 | | 155 | PMT #CD19 45 KIMMEL, J.F. | 153 |
| | 0287 | | CUB | ED | | 3 1 3 | | 228 27 | | 3579061* | 2072 06/05/1990 | 06/18/1990 | | 100 | W. H. TAYLOR | 604 |
| | 1029 <u>1</u> | | CUB | ED | | | | 238 27 | | 3575407 | 2077 04/01/1953 | 05/01/1953 | | 180 | 70 A.M. BRIMINSTOOL | 17 |
| | | | | | | | | | | | | | | | | |



Distance to nearest Depth to Water point = 0.33 miles



DTW = 72 feet - C 03072

Lava Fee #001

1000 ft

3

DTW = 72 feet - C 03072



Grange Finging 12/15/2021 10:07:26 AM

National Wetlands Inventory

Lava Fee #001 - Riverine 1,220 ft.



August 16, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Pond

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Released to Imaging: 12/15/2021 10:07:26 AM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

National Wetlands Inventory

Lava Fee #001 - FW Pond 21,520 ft.



August 16, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

National Wetlands Inventory

Page 34 of 161



Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
 - **Freshwater Pond**

Lake Other Riverine base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Released to Imaging: 12/15/2021 10:07:26 AM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Department of Agriculture

Active Mines Near Lava Fee #001



EMNRD MMD GIS Coordinator Released to Imaging: 12/15/203/11/10:07:0746646689b47790897ca2795)

Received by OCD: 10/28/2021 8:22:58 AM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

Page 36 of 161



Releasea to Imaging: 12/15/2021 PO:07:26 AM 1,500

Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

.
Attachment D

Karst Map





Attachment E

Envirotech, Inc. Laboratory Analysis Reports







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Lav

Lava Fee #1

Work Order: E108095

Job Number: 01058-0007

Received: 8/24/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/27/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 8/27/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #1 Workorder: E108095 Date Received: 8/24/2021 6:00:00PM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/24/2021 6:00:00PM, under the Project Name: Lava Fee #1.

The analytical test results summarized in this report with the Project Name: Lava Fee #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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| | | Sample Sum | | | |
|--|---------------|----------------------------------|---------------------------|----------|------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | Lava Fee #1 01058-0007 | | Reported: |
| Artesia NM, 88210 | | Project Manager: | Ashley Giovengo | | 08/27/21 15:17 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| 3G01-0' | E108095-01A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| 3G01-2' | E108095-02A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| CONF06-0' | E108095-03A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| CONF05-0' | E108095-04A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| CONF01-0' | E108095-05A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| 'ONF04-0' | E108095-06A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| 'ONF03-0' | E108095-07A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| ONF02-0' | E108095-08A | Soil | 08/20/21 | 08/24/21 | Glass Jar, 4 oz. |
| | | | | | |



| | St | impic D | ata | | | |
|--|----------------------------|------------|--------------|---------------------|----------|----------------|
| Devon Energy - Carlsbad | Project Name: | | a Fee #1 | | | |
| 6488 7 Rivers Hwy | Project Number: 01058-0007 | | | | | Reported: |
| Artesia NM, 88210 | Project Manag | er: Ash | ley Giovengo | 8/27/2021 3:17:33PM | | |
| | | BG01-0' | | | | |
| | - | E108095-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | st: RKS | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | |
| p-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/26/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 90.8 % | 70-130 | 08/26/21 | 08/26/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | st: RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 113 % | 70-130 | 08/26/21 | 08/26/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | st: JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | 32.2 | 25.0 | 1 | 08/26/21 | 08/26/21 | T14 |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 116 % | 50-200 | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: IY | | Batch: 2135031 |
| Chloride | 240 | 20.0 | 1 | 08/26/21 | 08/26/21 | |
| | | | | | | |

Sample Data

| Sample Data | | | | | | | | | | |
|---|-----------------|-------------------------|-------------------------------------|---|----------|----------------|--|--|--|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Number: | | a Fee #1 58-0007 ley Giovengo | Reported: 8/27/2021 3:17:33PM | | | | | | |
| | | BG01-2' | | | | | | | | |
| | | E108095-02 | | | | | | | | |
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Diluti | ion Prepared | Analyzed | Notes | | | | |
| Volatile Organics by EPA 8021B | mg/kg | g/kg mg/kg Analyst: RKS | | | | Batch: 2135034 | | | | |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | | | |
| p-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | | | |
| o,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 91.5 % | 70-130 | 08/26/21 | 08/26/21 | | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | А | nalyst: RKS | | Batch: 2135034 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 112 % | 70-130 | 08/26/21 | 08/26/21 | | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | А | nalyst: JL | | Batch: 2135035 | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/26/21 | 08/26/21 | | | | | |
| Surrogate: n-Nonane | | 108 % | 50-200 | 08/26/21 | 08/26/21 | | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2135031 | | | | |
| Chloride | 396 | 20.0 | 1 | 08/26/21 | 08/26/21 | | | | | |

| | Sa | ample D | ata | | | | | |
|---|---|------------|----------|----------|----------|----------------|--|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Isbad Project Name: Lava Fee #1 Project Number: 01058-0007 Project Manager: Ashley Giovengo | | | | | | | |
| | | CONF06-0' | | | | | | |
| | | E108095-03 | | | | | | |
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | | |
| Volatile Organics by EPA 8021B | mg/kg mg/kg Analyst: RKS | | | | | Batch: 2135034 | | |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | |
| p-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/26/21 | | | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/26/21 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 91.3 % | 70-130 | 08/26/21 | 08/26/21 | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | yst: RKS | | Batch: 2135034 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/26/21 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 114 % | 70-130 | 08/26/21 | 08/26/21 | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | yst: JL | | Batch: 2135035 | | |
| Diesel Range Organics (C10-C28) | 46.0 | 25.0 | 1 | 08/26/21 | 08/26/21 | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/26/21 | 08/26/21 | | | |
| Surrogate: n-Nonane | | 101 % | 50-200 | 08/26/21 | 08/26/21 | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2135031 | | |
| Chloride | 2010 | 40.0 | 2 | 08/26/21 | 08/26/21 | | | |



| | S | ample D | ata | | | | |
|---|--|------------|------------------------------------|---|----------|----------|----------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Number: Project Manager: | | a Fee #1 58-0007 ley Giovenş | Reported: 8/27/2021 3:17:33PM | | | |
| | | CONF05-0' | | | | | |
| | | E108095-04 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilu | ition | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | mg/kg Analyst: RKS | | | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | l | 08/26/21 | 08/27/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | l | 08/26/21 | 08/27/21 | |
| Toluene | ND | 0.0250 | 1 | l | 08/26/21 | 08/27/21 | |
| p-Xylene | ND | 0.0250 | 1 | l | 08/26/21 | 08/27/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | l | 08/26/21 | 08/27/21 | |
| Total Xylenes | ND | 0.0250 | 1 | l | 08/26/21 | 08/27/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.7 % | 70-130 | | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | l | 08/26/21 | 08/27/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 112 % | 70-130 | | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | 48.2 | 25.0 | 1 | l | 08/26/21 | 08/26/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | l | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 106 % | 50-200 | | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2135031 |
| Chloride | 723 | 20.0 | 1 | 1 | 08/26/21 | 08/26/21 | |

| | S | ample D | ata | | | |
|--|--------------|------------|--------------------|------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name | | a Fee #1 | | | Reported: |
| 6488 7 Rivers Hwy | Project Numb | | 58-0007 | | | |
| Artesia NM, 88210 | Project Mana | ger: Ash | ley Giovengo | | | 8/27/2021 3:17:33PM |
| | | CONF01-0' | | | | |
| | | E108095-05 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilutio | n Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | mg/kg Analyst: RKS | | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/27/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 92.2 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | An | alyst: RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 116 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | An | alyst: JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/26/21 | 08/26/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 118 % | 50-200 | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | An | alyst: IY | | Batch: 2135031 |
| Chloride | 118 | 20.0 | 1 | 08/26/21 | 08/26/21 | |



| | Sa | mple D | ata | | | |
|--|---|--------------------|--------------|----------|-----------|---------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | Project Name: Lava Fee #1 Project Number: 01058-0007 | | | | Reported: | |
| Artesia NM, 88210 | Project Manage | | ley Giovengo | | | 8/27/2021 3:17:33PM |
| | (| CONF04-0' | | | | |
| |] | E108095-06 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg Analyst: RKS | | | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Foluene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/27/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | yst: RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 116 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | yst: JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | 681 | 25.0 | 1 | 08/26/21 | 08/26/21 | |
| Dil Range Organics (C28-C36) | 266 | 50.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 109 % | 50-200 | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Ana | yst: IY | | Batch: 2135031 |
| Chloride | 4560 | 100 | 5 | 08/26/21 | 08/26/21 | |



| | S | ample D | ata | | | |
|--|--------------------------|--|--------------|------------|----------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artoric NM 88210 | Project Numb | Project Name: Lava Fee #1 Project Number: 01058-0007 | | | | Reported: 8/27/2021 3:17:33PM |
| Artesia NM, 88210 | Project Mana | ger: Asn | ley Giovengo | | | 8/2//2021 5:17:55PM |
| | | CONF03-0' | | | | |
| | | E108095-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilutio | n Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg mg/kg Analyst: RKS | | | | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/27/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 99.1 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | An | alyst: RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 113 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | An | alyst: JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | 50.9 | 25.0 | 1 | 08/26/21 | 08/26/21 | |
| Oil Range Organics (C28-C36) | 102 | 50.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 85.4 % | 50-200 | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | An | alyst: IY | | Batch: 2135031 |
| Chloride | 153 | 20.0 | 1 | 08/26/21 | 08/26/21 | |



| | S | ample D | ata | | | |
|---|---|------------|--------------------|--------------|----------|----------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Reported: 8/27/2021 3:17:33PM | | | | | |
| , | Project Manag | | ley Giovengo | | | |
| | | E108095-08 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | mg/kg Analyst: RKS | | | Batch: 2135034 |
| Benzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Toluene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p-Xylene | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/26/21 | 08/27/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 98.2 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | Analyst: RKS | | Batch: 2135034 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/26/21 | 08/27/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 112 % | 70-130 | 08/26/21 | 08/27/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | yst: JL | | Batch: 2135035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/26/21 | 08/26/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/26/21 | 08/26/21 | |
| Surrogate: n-Nonane | | 114 % | 50-200 | 08/26/21 | 08/26/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2135031 |
| Chloride | 125 | 20.0 | 1 | 08/26/21 | 08/26/21 | |

QC Summary Data

| | | $\mathbf{x} \in \mathbf{z}$ | | ary Data | ~ | | | | |
|---|--------|--|----------------|---|-----------|---------------|-------------|--------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | ava Fee #1 1058-0007 .shley Gioveng | :0 | | | | Reported: 8/27/2021 3:17:33PM |
| , | | , , | | by EPA 802 | | | | | Analyst: RKS |
| | | | 0 | Source | | D | | DDD | |
| Analyte | Result | Reporting Limit | Spike Level | Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2135034-BLK1) | | | | | | Pre | pared: 08/2 | 26/21 Ana | lyzed: 08/27/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| LCS (2135034-BS1) | | | | | | Pre | pared: 08/2 | 26/21 Ana | lyzed: 08/26/21 |
| Benzene | 4.53 | 0.0250 | 5.00 | | 90.5 | 70-130 | | | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | | 92.9 | 70-130 | | | |
| Foluene | 4.78 | 0.0250 | 5.00 | | 95.7 | 70-130 | | | |
| o-Xylene | 4.74 | 0.0250 | 5.00 | | 94.8 | 70-130 | | | |
| p,m-Xylene | 9.42 | 0.0500 | 10.0 | | 94.2 | 70-130 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | | 94.4 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.62 | | 8.00 | | 95.3 | 70-130 | | | |
| Matrix Spike (2135034-MS1) | | | | Sour | rce: E108 | 094-01 Pre | pared: 08/2 | 26/21 Ana | lyzed: 08/26/21 |
| Benzene | 4.54 | 0.0250 | 5.00 | ND | 90.7 | 54-133 | | | |
| Ethylbenzene | 4.68 | 0.0250 | 5.00 | ND | 93.5 | 61-133 | | | |
| Toluene | 4.80 | 0.0250 | 5.00 | ND | 96.1 | 61-130 | | | |
| p-Xylene | 4.78 | 0.0250 | 5.00 | ND | 95.7 | 63-131 | | | |
| o,m-Xylene | 9.46 | 0.0500 | 10.0 | ND | 94.6 | 63-131 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | ND | 95.0 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.37 | | 8.00 | | 92.1 | 70-130 | | | |
| Matrix Spike Dup (2135034-MSD1) | | | | Sou | rce: E108 | 094-01 Pre | pared: 08/2 | 26/21 Ana | lyzed: 08/26/21 |
| Benzene | 4.43 | 0.0250 | 5.00 | ND | 88.6 | 54-133 | 2.36 | 20 | |
| Ethylbenzene | 4.54 | 0.0250 | 5.00 | ND | 90.8 | 61-133 | 2.96 | 20 | |
| Toluene | 4.67 | 0.0250 | 5.00 | ND | 93.4 | 61-130 | 2.83 | 20 | |
| p-Xylene | 4.65 | 0.0250 | 5.00 | ND | 92.9 | 63-131 | 2.91 | 20 | |
| o,m-Xylene | 9.20 | 0.0500 | 10.0 | ND | 92.0 | 63-131 | 2.81 | 20 | |
| Total Xylenes | 13.8 | 0.0250 | 15.0 | ND | 92.3 | 63-131 | 2.84 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.46 | | 8.00 | | 93.3 | 70-130 | | | |



QC Summary Data

| | | $\mathbf{v} \mathbf{v} \mathbf{v}$ | | ary Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | (| Lava Fee #1)1058-0007 Ashley Giovengo | | | | | Reported: 8/27/2021 3:17:33PM |
| | No | nhalogenated C | Organics | s by EPA 801: | 5D - G | RO | | | Analyst: RKS |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2135034-BLK1) | | | | | | Pre | pared: 08/2 | 26/21 Anal | yzed: 08/27/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 9.37 | | 8.00 | | 117 | 70-130 | | | |
| LCS (2135034-BS2) | | | | | | Pre | pared: 08/2 | 26/21 Anal | yzed: 08/26/21 |
| Gasoline Range Organics (C6-C10) | 53.7 | 20.0 | 50.0 | | 107 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 9.52 | | 8.00 | | 119 | 70-130 | | | |
| Matrix Spike (2135034-MS2) | | | | Sourc | e: E108 | 094-01 Pre | pared: 08/2 | 26/21 Anal | yzed: 08/26/21 |
| Gasoline Range Organics (C6-C10) | 54.1 | 20.0 | 50.0 | ND | 108 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 9.03 | | 8.00 | | 113 | 70-130 | | | |
| Matrix Spike Dup (2135034-MSD2) | | | | Sourc | e: E108 | 094-01 Pre | pared: 08/2 | 26/21 Anal | yzed: 08/26/21 |
| Gasoline Range Organics (C6-C10) | 55.7 | 20.0 | 50.0 | ND | 111 | 70-130 | 2.84 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 9.02 | | 8.00 | | 113 | 70-130 | | | |



QC Summary Data

| | | QC D | | ary Data | | | | | |
|---|--------|--|----------------|---|---------|---------------|-------------|--------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | .ava Fee #1 1058-0007 Ashley Giovengo | | | | | Reported: 8/27/2021 3:17:33PM |
| | Nonha | alogenated Org | anics by | EPA 8015D - | - DRO | /ORO | | | Analyst: JL |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2135035-BLK1) | | | | | | Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 54.8 | | 50.0 | | 110 | 50-200 | | | |
| LCS (2135035-BS1) | | | | | | Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Diesel Range Organics (C10-C28) | 543 | 25.0 | 500 | | 109 | 38-132 | | | |
| Surrogate: n-Nonane | 51.9 | | 50.0 | | 104 | 50-200 | | | |
| Matrix Spike (2135035-MS1) | | | | Source | e: E108 | 095-01 Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Diesel Range Organics (C10-C28) | 655 | 25.0 | 500 | 32.2 | 125 | 38-132 | | | |
| Surrogate: n-Nonane | 50.5 | | 50.0 | | 101 | 50-200 | | | |
| Matrix Spike Dup (2135035-MSD1) | | | | Source | e: E108 | 095-01 Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Diesel Range Organics (C10-C28) | 663 | 25.0 | 500 | 32.2 | 126 | 38-132 | 1.17 | 20 | |
| Surrogate: n-Nonane | 58.0 | | 50.0 | | 116 | 50-200 | | | |



QC Summary Data

| | | | • | | | | | | |
|--|--------|----------------------------------|----------------|------------------|-----------|---------------|-------------|--------------|---------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | 0 | Lava Fee #1 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager: | | Ashley Gioveng | | | | | 8/27/2021 3:17:33PM |
| | | Anions | by EPA | 300.0/9056A | 1 | | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2135031-BLK1) | | | | | | Pre | pared: 08/2 | 26/21 Anal | yzed: 08/26/21 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2135031-BS1) | | | | | | Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Chloride | 250 | 20.0 | 250 | | 100 | 90-110 | | | |
| Matrix Spike (2135031-MS1) | | | | Sou | rce: E108 | 093-01 Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Chloride | 292 | 20.0 | 250 | 37.7 | 102 | 80-120 | | | |
| Matrix Spike Dup (2135031-MSD1) | | | | Sou | rce: E108 | 093-01 Pre | pared: 08/2 | 26/21 Anal | lyzed: 08/26/21 |
| Chloride | 293 | 20.0 | 250 | 37.7 | 102 | 80-120 | 0.239 | 20 | |

QC Summary Report Comment:

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



| _ | | Demmerons | | |
|---|-------------------------|------------------|-----------------|----------------|
| ſ | Devon Energy - Carlsbad | Project Name: | Lava Fee #1 | |
| I | 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| | Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 08/27/21 15:17 |
| | | | | |

T14 DRO includes a complex mixture of diesel range organics that is not characteristic of diesel fuel.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



| | | | | CI | hain of Custor | dy | | | | | | | | | | | | ñ |
|-------------------------|----------------|---------------|--|---|--------------------|----------|-----------------|--------------|-------------|-------------|--|------------|----------|----------------|--------------|-----------------|---------------|-----------------|
| ject: Cava | Energy | - | | Bill To | | 1 | | La | ab Us | e On | ly | | 1 | | TAT | 1 | | l_of_ |
| ject Manager: | Achla | <u></u> | | Attention: Devon Energy - J Address: 5315 Buena u | Im Raley | Lab | WO# | | | | Numb | er | 1D | 20 1 | TAT 3D St | tandard | | rogram |
| tress: 1224 | Stud | a no ve | go | Address: 5315 Buena U | ista Dr. | Lab | 080 | 295 | | | | 0007 | | | | V | CWA | SDWA |
| , State, Zip C | arlch | d was | 00770 | City, State, Zip Carlsbad A | 14 88220 | | | | 1 | _ | | d Metho | bd | | | Tr- | | RCRA |
| ne: | - Seat | s prot | | Phone: (575) 689-759 | 7 | | | | | | | | - | | | 11 | | NCRA |
| ail: Ashley, | Gieven | GO Pw | escominc.com | Email: jim. raley e du | n+ com | by 8015 | 015 | | | | | | | | | 1 | State | |
| ort due by: | 8/2 | 1/21 | escominc.com | | | by 8 | by 8(| 121 | 03 | Q | 0.0 | | WN | | | NM CO | UT AZ | TX |
| ime Date | Matrix | No. of | Sample ID | | Lab | ORO | DRO | by 8(| y 82 | s 601 | de 30 | | | ¥ | | X | | |
| pled Sampled | | Containers | | | Number | рко/око | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | BGDOC | BGDOC | | | Remarks | |
| olle ostada | 5 | 1 | 13601- | -0' | 1 | 1 | | | | | | | X | | | di- | | |
| 20 08/20/21 | S | 1 | BGOI | -2 | 2 | | | | | | | | X | | | 1 | | |
| 09 08/20/21 | S | 1 | CONFO | 06-0' | 3 | | | | | | | | V V | | 1000 | | | - |
| 04 08/20/21 | 5 | 1 | CONFO | 5-0' | 4 | | | | | | | | X | | - | | | |
| 14 6 08/20/21 | 2 | 1 . | CONFO | 1-0' | 5 | | | | | - | | | V | | - | | | |
| 59 08/20/21 | S | 1 | CONFO | | le | | - | | | - | | | T | | | | | - |
| 155 08/20/2 | S | 1 | CONFO | | 7 | - | | | | | | | X | 9. s. 11. s | - | 1 | | |
| 150 08/20/21 | | 1 | | | B | - | - | | - | - | | - | X | | -12 | 12 | | |
| 30 0010101 | 3 | 1 | CONFO | 2-0 | Ø | 1 | - | | _ | _ | | | X | | | 4 | | |
| | | | | | _ | - | _ | _ | _ | | | _ | | | | 1 | | |
| ditional Instru | ctions: | | | | | | | | | | | | - | | | 1 | | |
| | | (C: | Natalie | Nunez ? Shar Harveste | 4 | P | eser | ued | 62 | 1 10 | ce. | | | | | 1 | | |
| or time of collectio | n isconsider | y and authen | nticity of this sample. I may be grounds for le | am aware that tampering with or intentionally mi | slabelling the sam | ple loca | ation, | | | Sampl | es requiri | ng therma | preserva | tion must | be received | on ice the day | they are same | led or received |
| quistel by: (sig | aure) | Date | Time | Persived by (Fignation) | 12.5 | | | | | packer | d in ice at | an avg ten | np above | 0 but less | than 6 °C or | n subsequent da | ays. | in of feeliver |
| N/ C | 5 | . 08 | 23/21 11:1 | Received by: (Signature) | - 8.23. | 2. | Time | | | | | | L | ab Use | Only | | | |
| nquished by: (Sigr | nature) | Date | 2 Time | Received by: (Signature) | | 21 | Time | 1117 | 2 | Rec | eived | on ice: | Y |)/ N | | | | |
| Zn h | 46 | - 8. | 24.21 1 | 35 Rain alumm | Date 8/241 | 4 | 18 | :00 | 5 | Ta | | | | | | | | |
| quished by: Sigr | nature) | Date | e Time | Received by: (Signature) | Date | - | Time | | | 11 | | | 12 | | | <u>T3</u> | | |
| | | | | | | | | | | AVG | Tem | - °c | 4 | | | | | |
| ole Matrix: S - Soil, S | Sd - Solid, Sg | - Sludge, A - | Aqueous, O - Other | | Containe | r Type | 2: 8 - 1 | ass | | | | | | | | | | |
| ples is applicable | only to the | aays after r | esults are reported | Inless other arrangements are made. Hazar bratory with this COC. The liability of the labo | dous samples wi | ill be r | eturne | ed to c | liento | or disi | posed o | fat the | client o | xnense | The rem | ort for the | | |
| | | ac adminis | received by the lab | pratory with this COC. The liability of the labo | pratory is limited | to the | amou | int pai | id for | on th | e repor | t. | enerit e | apense. | me rep | ore for the a | analysis of t | the above |
| | | | | | | | | | - | r > | | | | | | 1 | | |
| | | | | | | | | | | - | in the second se | (| 3 | n | / I | ro | + 6 | |
| | | | | • | | | | | | ~ | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

| | s: Please take note of any NO checkmarks. The no response concerning these items within 24 ho | Sample Ree | ceipt C | ical Laboratory Checklist (SRC) ce, all the samples will be ar | | d. |
|------------------|---|-----------------------|-------------------------|--|---------------|---------------|
| Client: | Devon Energy - Carlsbad | Date Received: 0 | | · • | Work Order ID | |
| Phone: | (505) 382-1211 | Date Logged In: 0 | 8/25/21 | 16:31 | Logged In By: | Irene Yazzie |
| Email: | ashley.giovengo@wescominc.com | | | 17:00 (3 day TAT) | | |
| <u>Chain o</u> | f Custody (COC) | | | | | |
| | the sample ID match the COC? the number of samples per sampling site locati | on match the CO | Yes (_{Yes} | | | |
| | samples dropped off by client or carrier? | | Yes | Carrier: Fed Ex | | |
| | he COC complete, i.e., signatures, dates/times, | requested analys | e¥∕es | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be condu i.e, 15 minute hold time, are not included in this di | cted in the field, | Yes | | Comment | ts/Resolution |
| | <u>Turn Around Time (TAT)</u> | AT9 | Var | | | |
| | ne COC indicate standard TAT, or Expedited TA | A1 / | Yes | | | |
| Sample 7 Wese | sample cooler received? | | Yes | | | |
| | , was cooler received in good condition? | | Yes | | | |
| | he sample(s) received in good condition? | | | | | |
| | · · · · · | | Yes | | | |
| | e custody/security seals present? | | No | | | |
| - | s, were custody/security seals intact? | | NA | | | |
| | he sample received on ice? If yes, the recorded temp Note: Thermal preservation is not required, if samp minutes of sampling visible ice, record the temperature. Actual s | oles are received w/i | i 15 | 2 | | |
| | <u>Container</u> | | | - | | |
| | aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | e head space less than 6-8 mm (pea sized or les | ss)? | NA | | | |
| | a trip blank (TB) included for VOC analyses? | , | NA | | | |
| | non-VOC samples collected in the correct cont | ainers? | Yes | | | |
| 19. Is the | appropriate volume/weight or number of sample | containers collect | eðPes | | | |
| Field La | <u>ibel</u> | | | | | |
| 20. Were | e field sample labels filled out with the minimu | im information: | | | | |
| | ample ID? | | Yes | | | |
| | Date/Time Collected? Collectors name? | | Yes | | | |
| | Preservation_ | | Yes | | | |
| | s the COC or field labels indicate the samples v | vere preserved? | No | | | |
| | sample(s) correctly preserved? | vere preserveu. | NA | | | |
| | b filteration required and/or requested for disso | lved metals? | No | | | |
| | ase Sample Matrix | | | | | |
| | s the sample have more than one phase, i.e., mu | ultiphase? | No | | | |
| | s, does the COC specify which phase(s) is to b | | NA | | | |
| • | | | 1 1/ 1 | | | |
| | t <u>ract Laboratory</u> samples required to get sent to a subcontract la | boratory? | No | | | |
| | a subcontract laboratory specified by the clien | | | Subcontract Lab: NA | | |
| Client I | Instruction | | | | | |

envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E109040

Job Number: 01058-0007

Received: 9/14/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/20/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E109040 Date Received: 9/14/2021 11:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/14/2021 11:00:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

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| · | | Sample Sum | mary | | |
|--|---------------|----------------------------------|-----------------------------|----------|------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | Lava Fee #001 01058-0007 | | Reported: |
| Artesia NM, 88210 | | Project Manager: | Ashley Giovengo | | 09/20/21 14:41 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| CONF 23 - 0' | E109040-01A | Soil | 09/09/21 | 09/14/21 | Glass Jar, 4 oz. |
| CONF 24 - 0' | E109040-02A | Soil | 09/09/21 | 09/14/21 | Glass Jar, 4 oz. |
| CONF 25 - 0' | E109040-03A | Soil | 09/09/21 | 09/14/21 | Glass Jar, 4 oz. |



| | | impic D | uta | | | |
|---|---|-------------|---------------------------------------|----------|----------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manag | er: 0105 | a Fee #001 58-0007 ley Giovengo | | | Reported: 9/20/2021 2:41:55PM |
| | С | ONF 23 - 0' | | | | |
| |] | E109040-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 94.6 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.9 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | 65.4 | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138028 |
| Chloride | 261 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |

Sample Data



| | 3 | ample D | ata | | | |
|--|---------------|--------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:41:55PM |
| | (| CONF 24 - 0' | | | | |
| | | E109040-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | rst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 94.0 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | vst: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.0 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | rst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | 64.3 | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 104 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | rst: IY | | Batch: 2138028 |
| Chloride | 287 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |

| | 3 | ample D | ata | | | |
|--|---------------|--------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:41:55PM |
| | (| CONF 25 - 0' | | | | |
| | | E109040-03 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | st: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 101 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | st: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.5 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | st: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | 77.9 | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 105 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: IY | | Batch: 2138028 |
| Chloride | 278 | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| | | | | | | |

QC Summary Data

| | | X U N | | <u>, 2</u> | ~ | | | | |
|--|--------------|----------------------------------|----------------|---------------------------|--------------|------------------|--------------|--------------|---------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | 0 | ava Fee #001 1058-0007 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager: | А | shley Gioveng | ;0 | | | | 9/20/2021 2:41:55PM |
| | | Volatile O | rganics l | by EPA 802 | 1B | | | | Analyst: RKS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138022-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Benzene | ND | 0.0250 | | | | | - | | - |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| p-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.87 | 5.5250 | 8.00 | | 98.4 | 70-130 | | | |
| LCS (2138022-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Benzene | 4.79 | 0.0250 | 5.00 | | 95.8 | 70-130 | | | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | | 93.0 | 70-130 | | | |
| Toluene | 4.83 | 0.0250 | 5.00 | | 96.5 | 70-130 | | | |
| o-Xylene | 4.74 | 0.0250 | 5.00 | | 94.8 | 70-130 | | | |
| p,m-Xylene | 9.45 | 0.0500 | 10.0 | | 94.5 | 70-130 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | | 94.6 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.64 | | 8.00 | | 95.5 | 70-130 | | | |
| Matrix Spike (2138022-MS1) | | | | Source: | E109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Benzene | 4.82 | 0.0250 | 5.00 | ND | 96.4 | 54-133 | | | |
| Ethylbenzene | 4.74 | 0.0250 | 5.00 | ND | 94.8 | 61-133 | | | |
| Toluene | 4.88 | 0.0250 | 5.00 | ND | 97.7 | 61-130 | | | |
| p-Xylene | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 63-131 | | | |
| p,m-Xylene | 9.63 | 0.0500 | 10.0 | ND | 96.3 | 63-131 | | | |
| Total Xylenes | 14.4 | 0.0250 | 15.0 | ND | 96.2 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.35 | | 8.00 | | 104 | 70-130 | | | |
| Matrix Spike Dup (2138022-MSD1) | | | | Source: | E109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Benzene | 4.90 | 0.0250 | 5.00 | ND | 98.0 | 54-133 | 1.56 | 20 | |
| Ethylbenzene | 4.79 | 0.0250 | 5.00 | ND | 95.8 | 61-133 | 1.10 | 20 | |
| Toluene | 4.94 | 0.0250 | 5.00 | ND | 98.8 | 61-130 | 1.20 | 20 | |
| | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 63-131 | 1.32 | 20 | |
| o-Avlene | | | | | | | | | |
| p-Xylene p.m-Xylene | | 0.0500 | 10.0 | ND | 97.4 | 63-131 | 1.10 | 20 | |
| o-Xylene p,m-Xylene Total Xylenes | 9.74 14.6 | 0.0500 0.0250 | 10.0 15.0 | ND ND | 97.4 97.3 | 63-131 63-131 | 1.10 1.17 | 20 20 | |



QC Summary Data

| | | $\chi \cup \gamma$ | | ary Data | | | | | |
|---|--------|--|----------------|--|--------------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:41:55PM |
| | Noi | nhalogenated C | | , , | D - G | RO | | | Analyst: RKS |
| Analyte | Result | Reporting Limit mg/kg | Spike Level | Source Result | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| | mg/kg | шукg | mg/kg | mg/kg | /0 | 70 | 70 | 70 | Notes |
| Blank (2138022-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.26 | | 8.00 | | 90.7 | 70-130 | | | |
| LCS (2138022-BS2) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 51.8 | 20.0 | 50.0 | | 104 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| Matrix Spike (2138022-MS2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 54.5 | 20.0 | 50.0 | ND | 109 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.38 | | 8.00 | | 92.3 | 70-130 | | | |
| Matrix Spike Dup (2138022-MSD2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | ND | 107 | 70-130 | 2.17 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.1 | 70-130 | | | |



QC Summary Data

| | | QC SI | | ary Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | C | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:41:55PM |
| | Nonh | alogenated Orga | anics by | v EPA 8015D | DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138026-BLK1) | | | | | | | Prepared: 0 | 9/15/21 / | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) | ND ND | 25.0 50.0 | | | | | | | |
| Surrogate: n-Nonane | 46.3 | | 50.0 | | 92.5 | 50-200 | | | |
| LCS (2138026-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 485 | 25.0 | 500 | | 97.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.7 | | 50.0 | | 95.4 | 50-200 | | | |
| Matrix Spike (2138026-MS1) | | | | Source: E | 109041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 553 | 25.0 | 500 | 28.3 | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 48.9 | | 50.0 | | 97.9 | 50-200 | | | |
| Matrix Spike Dup (2138026-MSD1) | | | | Source: E | 109041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 531 | 25.0 | 500 | 28.3 | 100 | 38-132 | 4.20 | 20 | |
| Surrogate: n-Nonane | 49.7 | | 50.0 | | 99.3 | 50-200 | | | |



QC Summary Data

| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | (| Lava Fee #001)1058-0007 Ashley Giovengo |) | | | | Reported: 9/20/2021 2:41:55PM |
|---|-----------------|--|-------------------------|--|-----------|--------------------|-------------|-------------------|---|
| | | Anions | by EPA | 300.0/9056A | | | | | Analyst: IY |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138028-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2138028-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 246 | 20.0 | 250 | | 98.5 | 90-110 | | | |
| Matrix Spike (2138028-MS1) | | | | Source: I | E109031-(| 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 291 | 20.0 | 250 | 42.8 | 99.3 | 80-120 | | | |
| Matrix Spike Dup (2138028-MSD1) | | | | Source: I | E109031- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 301 | 20.0 | 250 | 42.8 | 103 | 80-120 | 3.41 | 20 | |

QC Summary Report Comment:

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



| _ | | _ • | | |
|---|-------------------------|------------------|-----------------|----------------|
| Γ | Devon Energy - Carlsbad | Project Name: | Lava Fee #001 | |
| | 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| | Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 09/20/21 14:41 |

| ND Analyte | NOT DETECTED at or above the reporting limit |
|------------|--|
|------------|--|

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



| ent: Devoo Solard | | of Custod | У | | | | | | | | | | | | Page | of |
|--|---|-----------------|---------|---------|-----------|---------------|-------------|------------|----------------|---------|----------|-----------|--------------|----------------------------|----------------------|----------------|
| ent: Devon Enersy Dject: Lava Fee Fool Dject Manager: Ashley Griovenso | Bill To | | | | La | ab Us | se Or | nly | | | | TA | T | | FPA P | ogram |
| pject Manager: Ashley Giovenso | Address: EZ V Daley | | Lab | WO# | 11 | ~ | | Num | | 1D | 2D | 3D | Stan | dard | CWA | SDWA |
| dress: 1224 Standei je Rd y, State, Zip (urlsbad, N.m. 88220 | Attention: Sim Paley Address: 5315 Buena V City, State, ZipCarlsbad, Nr Phone: 625 | iste Dr | E | 290 | 54 | \mathcal{O} | | | F0007 | | | 1 | > | L | | |
| y, State, Zip Carlsbad, N.m. 8820 | Phone: 575 - 489 - 7597 | 8822 | 2 | | - | - | Analy | sis ar | nd Metho | d | | | | | | RCRA |
| 0110. 503-382-1211 | Email: | | | | 100 | | | | | | - | | | | | |
| nail: ashiey.giovenso alwescom | Email: ; im . raiey a) dur | 1. (0m) | 8015 | 8015 | | | | | | 1- | | | | _ | State | |
| port due by: inc.com | | | 'n | Å | 8021 | 60 | 10 | 300.0 | | WN | | | N | M CO | UT AZ | TX |
| Time Date Matrix No. of Containers Sample ID | | Lab | DRO/ORO | GRO/DRO | by 8 | by 8. | ls 60 | ide 3 | | | TX . | | H | | | |
| | | Number | DRO, | GRO, | BTEX by | VOC by 8260 | Metals 6010 | Chloride | | BGDOC | BGDOC | | | | Remarks | |
| 74509/19/2, 5 1. CONE73 | 01 | 1 | | | | - | - | | | | | | | | | |
| 7-45 09/09/215 1-24 CONF23 75007/09/215 1jar CONF24- 500 09/08/215 1jar CONF25 | v | 1 | | - | | 1 | | | | X | | | | | | |
| +50 -7/09/21 5 1:00 CONE 24- | 0' | 2 | | | | | | | 1.00 | 1 | | | | | | |
| Late (| | | - | | | | - | | | 14 | | | | | | |
| 00 09108121) 1: NT CONF 25. | -01 | 3 | | | | | | | 11.19 | V. | | | | | | |
| | | | | - | - | | | - | | 1 | - | | | | | |
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| | | | | | | | | 1 | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
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| | | 1.000 | | | | | - | | | | - | | | | | |
| | | - | | | | | - | | | - | | | | | | |
| | | | | | | | | | | | | | | | | |
| Iditional Instructions: Preserved on ic | e er 1 - 1 - 1 - | | | | | | - | 1 | | | | | | | | |
| | | | | | -Ini | C · c | OM | 2 | | | | | | | | |
| ield sampler), attest to the validity and authenticity of this sample. I are | n aware that tampering with or intentionally mislabe | lling the same | leloca | tion | - | | Samal | as roqui | ring the small | | | | | | | |
| Sol they of conection is considered traud and may be grounds for lega | action. Sampled by: | and are remp | ie ioca | uon, | | | packe | d in ice a | at an avg tem | p above | 0 but le | ss than 6 | °C on sub: | e the day t sequent day | hey are sampl vs. | ed or received |
| inquished by: (Signature) Date. | Received by: (Signature) | Date | | Time | | | | | | | | se On | | | | |
| linguished by: (Signabyre) Date Time | 7 am | 9.13. | 21 | 1 | 3/0 |) | Rec | eived | on ice: | | N | | , y | | | |
| | | Date | | Time | .0 | 2 | | | | - | 9 | | | | | |
| Higglished by: (Signature) Date Time | Received by: (Signature) | MH | 21 | 11 | .0 | C) | <u>T1</u> | - | | T2 | | | | 3 | | |
| | Received by, (Signature) | Date | | Time | | | - | | 1 | - | | | | | | |
| nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | Cantal | | - | - | - | - | Tem | | 1 | - | | | | | |
| te: Samples are discarded 30 days after results are reported up | less other arrangements are made Hazardou | Container | Type | g - g | glass, | p - p | oly/p | lastic, | ag - amb | er gla | SS, V - | VOA | | | | |
| mples is applicable only to those samples received by the labor | itory with this COC. The liability of the laborato | ry is limited t | to the | amou | int pa | id for | or dis | posed | of at the c | lient e | xpens | e. The | e report | for the a | nalysis of th | ne above |
| | | | | | - pu | | | - repu | | | | | • | | - | C |
| | | | | | | | 2 | 3 | A | | n | | i P | 0 | + - | 10 |
| | | | | | | | - | | 6 | - | | V | and a second | U | LC | |
| | | | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Devon Energy - Carlsbad D | ate Received: | 09/14/21 | 11:00 | | Work Order ID: | E109040 |
|---|---|----------------|----------|-------------------|-------|----------------|----------------|
| Phone: | (505) 382-1211 D | ate Logged In: | 09/14/21 | 13:48 | | Logged In By: | Alexa Michaels |
| Email: | | ue Date: | 09/20/21 | 17:00 (4 day TAT) | | | |
| Chain o | of Custody (COC) | | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | | |
| 2. Does | the number of samples per sampling site location match | the COC | Yes | | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Fo | ed Ex | | |
| 4. Was t | the COC complete, i.e., signatures, dates/times, requested | l analyses? | Yes | | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | | Commen | ts/Resolution |
| Sample | <u>Turn Around Time (TAT)</u> | | | | | | |
| 6. Did tl | he COC indicate standard TAT, or Expedited TAT? | | Yes | | | | |
| Sample | Cooler | | | | | | |
| 7. Was a | a sample cooler received? | | Yes | | | | |
| 8. If yes | s, was cooler received in good condition? | | Yes | | | | |
| 9. Was t | the sample(s) received intact, i.e., not broken? | | Yes | | | | |
| 10. Wer | e custody/security seals present? | | No | | | | |
| 11. If ye | es, were custody/security seals intact? | | NA | | | | |
| 12. Was | the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- | | Yes | | | | |
| 13 If no | minutes of sampling o visible ice, record the temperature. Actual sample ter | nnerature: 4° | C | | | | |
| | Container | <u></u> | <u> </u> | | | | |
| | aqueous VOC samples present? | | No | | | | |
| | VOC samples collected in VOA Vials? | | NA | | | | |
| | he head space less than 6-8 mm (pea sized or less)? | | NA | | | | |
| | a trip blank (TB) included for VOC analyses? | | NA | | | | |
| | non-VOC samples collected in the correct containers? | | Yes | | | | |
| | e appropriate volume/weight or number of sample containers | collected? | Yes | | | | |
| Field La | | | | | | | |
| | e field sample labels filled out with the minimum inform | ation: | | | | | |
| | Sample ID? | | Yes | | | | |
| | Date/Time Collected? | | Yes | L | | | |
| | Collectors name? | | Yes | | | | |
| ~ - | Preservation | 10 | • • | | | | |
| | s the COC or field labels indicate the samples were press | veu? | No Na | | | | |
| 21. Doe | commis(a) commonting measure 19 | | NA | | | | |
| 21. Doe 22. Are | sample(s) correctly preserved? | le? | No | | | | |
| 21. Doe 22. Are 24. Is la | b filteration required and/or requested for dissolved meta | ıls? | No | | | | |
| 21. Doe 22. Are 24. Is la <u>Multipl</u> | b filteration required and/or requested for dissolved meta hase Sample Matrix | | | | | | |
| 21. Doe 22. Are 24. Is la <u>Multipl</u> 26. Doe | b filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? | | No | | | | |
| 21. Doe 22. Are 24. Is la <u>Multiph</u> 26. Doe 27. If ye | b filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze | | | | | | |
| 21. Doe 22. Are 24. Is la Multiph 26. Doe 27. If ye Subcon | b filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze tract Laboratory | d? | No NA | | | | |
| 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye Subcon 28. Are | b filteration required and/or requested for dissolved meta hase Sample Matrix is the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze | d? | No | Subcontract Lab | | | |

Date

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

•




5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E109041

Job Number: 01058-0007

Received: 9/14/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/20/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E109041 Date Received: 9/14/2021 11:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/14/2021 11:00:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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| | | Sample Sum | mary | | |
|-------------------------|---------------|------------------|-----------------|----------|------------------|
| Devon Energy - Carlsbad | | Project Name: | Lava Fee #001 | | Reported: |
| 6488 7 Rivers Hwy | | Project Number: | 01058-0007 | | Teportui |
| Artesia NM, 88210 | | Project Manager: | Ashley Giovengo | | 09/20/21 14:36 |
| lient Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| 501-0" | E109041-01A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 502-A-0' | E109041-02A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 603-A-0' | E109041-03A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 04-0' | E109041-04A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 605-0' | E109041-05A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 606-0' | E109041-06A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 807-0' | E109041-07A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| ONF01-1.5' | E109041-08A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| DNF02-4' | E109041-09A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| DNF03-1' | E109041-10A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| | | | | | |



| | D | ampic D | | | | |
|--|--------------|-------------------|--------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | umber: 01058-0007 | | | | Reported: |
| Artesia NM, 88210 | Project Mana | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS01-0'' | | | | |
| | | E109041-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 103 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.9 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | ıt: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.7 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138029 |
| Chloride | 211 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |

Sample Data



Sample Data

| | 29 | imple D | ลเล | | | |
|--|----------------|------------|-------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | er: 0103 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ey Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS02-A-0' | | | | |
| |] | E109041-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | lyst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.7 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | lyst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | 36.5 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | 106 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.5 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | lyst: IY | | Batch: 2138029 |
| Chloride | 942 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |



| | 52 | ample D | ala | | | |
|---|---------------|------------|-------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | er: 0103 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | er: Ash | ey Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS03-A-0' | | | | |
| | - | E109041-03 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | vst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.6 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.1 % | 70-130 | 09/15/21 | 09/16/21 | |
| onhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL | | | | | | |
| Diesel Range Organics (C10-C28) | 28.3 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | 67.5 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 98.9 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | vst: IY | | Batch: 2138029 |
| Chloride | 978 | 20.0 | 1 | 09/15/21 | 09/15/21 | |



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|--|--|------------|--------------|----------------|----------|---------------------|--|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | | Reported: | |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM | |
| | | SS04-0' | | | | | |
| | | E109041-04 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 | |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| o-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.2 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | Batch: 2138022 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.8 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | nhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 09/15/21 | 09/15/21 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: IY | | Batch: 2138029 | |
| Chloride | 521 | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| | | | | | | | |



| | 6 | ample D | ala | | | | |
|--|--------------|------------|--------------|----------------|----------|---------------------|--|
| Devon Energy - Carlsbad | Project Name | : Lava | a Fee #001 | | | | |
| 6488 7 Rivers Hwy | Project Numb | oer: 0103 | 01058-0007 | | | | |
| Artesia NM, 88210 | Project Mana | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM | |
| | | SS05-0' | | | | | |
| | | E109041-05 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | lyst: RKS | | Batch: 2138022 | |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | Batch: 2138022 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.4 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | Batch: 2138026 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | | |
| Surrogate: n-Nonane | | 77.4 % | 50-200 | 09/15/21 | 09/15/21 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | lyst: IY | | Batch: 2138029 | |
| Chloride | 355 | 20.0 | 1 | 09/15/21 | 09/16/21 | | |



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|--|---------------|------------|--------------|----------------|----------|---------------------|--|
| Devon Energy - Carlsbad | Project Name | : Lav | a Fee #001 | | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 010: | 01058-0007 | | | | |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM | |
| | | SS06-0' | | | | | |
| | | E109041-06 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 | |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.5 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | Batch: 2138022 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.0 % | 70-130 | 09/15/21 | 09/16/21 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | Batch: 2138026 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 09/15/21 | 09/15/21 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: IY | | Batch: 2138029 | |
| Chloride | 135 | 20.0 | 1 | 09/15/21 | 09/16/21 | | |



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|--|---------------|------------|--------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS07-0' | | | | |
| | | E109041-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | st: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| -Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| urrogate: 4-Bromochlorobenzene-PID | | 103 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 87.8 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | Batch: 2138026 | | |
| Diesel Range Organics (C10-C28) | 98.8 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | 138 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| urrogate: n-Nonane | | 109 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | st: IY | | Batch: 2138029 |
| Chloride | 403 | 20.0 | 1 | 09/15/21 | 09/16/21 | |



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|---|--|---|---|--|--|--|
| Project Name: | Lava | a Fee #001 | | | | |
| Project Numbe | r: 010: | 58-0007 | | | Reported: | |
| Project Manage | er: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM | |
| С | ONF01-1.5' | | | | | |
|] | E109041-08 | | | | | |
| | Reporting | | | | | |
| Result | Limit | Dilution | Prepared | Analyzed | Notes | |
| mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 | |
| ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | | |
| ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | | |
| | 102 % | 70-130 | 09/15/21 | 09/16/21 | | |
| mg/kg | mg/kg | Analys | Batch: 2138022 | | | |
| ND | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| | 87.5 % | 70-130 | 09/15/21 | 09/16/21 | | |
| onhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL | | | | | | |
| ND | 25.0 | 1 | 09/15/21 | 09/15/21 | | |
| ND | 50.0 | 1 | 09/15/21 | 09/15/21 | | |
| | 96.0 % | 50-200 | 09/15/21 | 09/15/21 | | |
| mg/kg | mg/kg | Analys | t: IY | | Batch: 2138029 | |
| 107 | 20.0 | 1 | 09/15/21 | 09/16/21 | | |
| | Project Name: Project Numbe Project Manage C Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND | Project Name: Lava Project Number: 0102 Project Manager: Ashi CONF01-1.5' E109041-08 Reporting Reporting Result Imir Mg/kg mg/kg ND 0.0250 ND 20.00 87.5 % mg/kg mg/kg MD 25.0 0 ND 25.0 0 ND 25.0 0 96.0 % mg/kg mg/kg | Project Number: 01058-0007 Project Manager: Ashley Giovengo CONF01-1.5' E109041-08 Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 20.0 1 mg/kg mg/kg Analys ND 20.0 1 MD 25.0 1 ND 50.0 1 ND 50.0 1 ND 50.200 1 Mg/kg Mg/kg Analys | roject Name: Lava Fee #001 Project Number: 01058-0007 Project Manager: Ashley Giovengo CONF01-1.5' E109041-08 Result Dilution Prepared Result Limit Dilution Prepared MD 0.0250 1 09/15/21 ND 20.0 1 09/15/21 ND 20.0 1 09/15/21 MD 20.0 1 09/15/21 MD 25.0 1 09/15/21 MD 25.0 | Project Name: Lava Fee #001 Project Number: 01058-0007 Project Manager: Ashley Giovengo CONF01-1.5' E109041-08 Result Dilution Prepared Analyzed Result Limit Dilution Prepared Analyzed Mp/kg mg/kg Analyst: RKS VIII ND 0.0250 1 09/15/21 09/16/21 ND 20.0 1 09/15/21 09/16/21 MD 20.0 1 | |



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|--|----------------|------------|--------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lav | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Number | er: 010 | 58-0007 | Reported: | | |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | CONF02-4' | | | | |
| | | E109041-09 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.6 % | 70-130 | 09/15/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.3 % | 70-130 | 09/15/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | Batch: 2138026 | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.5 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: IY | | Batch: 2138029 |
| Chloride | 45.2 | 40.0 | 2 | 09/15/21 | 09/16/21 | |



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|---|----------------|------------|-------------|----------------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | r: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ey Giovengo | | | 9/20/2021 2:36:55PM |
| | (| CONF03-1' | | | | |
| | 1 | E109041-10 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/17/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 105 % | 70-130 | 09/15/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | Batch: 2138022 | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.0 % | 70-130 | 09/15/21 | 09/17/21 | |
| onhalogenated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: JL | | | | | | |
| Diesel Range Organics (C10-C28) | 28.4 | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 106 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: IY | | Batch: 2138029 |
| Chloride | 173 | 20.0 | 1 | 09/15/21 | 09/16/21 | |

QC Summary Data

| | <u><u>v</u> v v</u> | u 111111 | | | | | | |
|--------|--|---|--|---|--|---|--|---|
| | Project Name: Project Number: | | | | | | | Reported: |
| | Project Manager: | | | go | | | | 9/20/2021 2:36:55PM |
| | Volatile O | rganics l | by EPA 802 | 21B | | | | Analyst: RKS |
| Pogult | Reporting Limit | Spike Level | Source Result | Pec | Rec Limits | RPD | | |
| mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| ND | 0.0250 | | | | | | | - |
| ND | | | | | | | | |
| ND | | | | | | | | |
| | | | | | | | | |
| ND | | | | | | | | |
| ND | | | | | | | | |
| 7.87 | | 8.00 | | 98.4 | 70-130 | | | |
| | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| 4.79 | 0.0250 | 5.00 | | 95.8 | 70-130 | | | |
| 4.65 | 0.0250 | 5.00 | | 93.0 | 70-130 | | | |
| 4.83 | 0.0250 | 5.00 | | 96.5 | 70-130 | | | |
| 4.74 | 0.0250 | 5.00 | | 94.8 | 70-130 | | | |
| 9.45 | 0.0500 | 10.0 | | 94.5 | 70-130 | | | |
| 14.2 | 0.0250 | 15.0 | | 94.6 | 70-130 | | | |
| 7.64 | | 8.00 | | 95.5 | 70-130 | | | |
| | | | Source: | E109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| 4.82 | 0.0250 | 5.00 | ND | 96.4 | 54-133 | | | |
| 4.74 | 0.0250 | 5.00 | ND | 94.8 | 61-133 | | | |
| 4.88 | 0.0250 | 5.00 | ND | 97.7 | 61-130 | | | |
| 4.80 | 0.0250 | 5.00 | ND | 96.0 | 63-131 | | | |
| 9.63 | 0.0500 | 10.0 | ND | 96.3 | 63-131 | | | |
| 14.4 | 0.0250 | 15.0 | ND | 96.2 | 63-131 | | | |
| 8.35 | | 8.00 | | 104 | 70-130 | | | |
| | | | Source: | E109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| 4.90 | 0.0250 | 5.00 | ND | 98.0 | 54-133 | 1.56 | 20 | |
| 4.79 | 0.0250 | 5.00 | ND | 95.8 | 61-133 | 1.10 | 20 | |
| 4.94 | 0.0250 | 5.00 | ND | 98.8 | 61-130 | 1.20 | 20 | |
| 4.86 | 0.0250 | 5.00 | ND | 97.3 | 63-131 | 1.32 | 20 | |
| | | | | | | | | |
| 9.74 | 0.0500 | 10.0 | ND | 97.4 | 63-131 | 1.10 | 20 20 | |
| | ND ND ND ND ND ND 7.87 4.79 4.65 4.83 4.74 9.45 14.2 7.64 4.82 4.74 4.82 4.74 4.88 4.80 9.63 14.4 8.35 4.90 4.79 4.94 | Project Name: Project Number: Project Manager: Volatile O Result mg/kg Reporting Limit mg/kg ND 0.0250 A74 0.0250 4.74 0.0250 4.74 0.0250 4.74 0.0250 4.74 0.0250 4.74 0.0250 4.74 0.0250 7.64 | Project Name: L Project Number: 0 Project Manager: A Volatile Organics Result Reporting mg/kg Spike Level mg/kg ND 0.0250 7.87 8.00 4.79 0.0250 5.00 4.74 0.0250 5.00 4.82 0.0250 5.00 4.84 0.0250 5.00 4.88 0.0250 5.00 4.80 0.0250 5.00 | L L Lava Fee #001 01058-0007 Project Number: 01058-0007 Project Manager: Ashley Gioveng Volatile Organics by EPA 802 Result Spike Limit Spike Level Source Result mg/kg mg/kg mg/kg mg/kg ND 0.0250 | Project Name: Lava Fee #001 Project Number: 01058-0007 Project Manager: Ashley Giovengo Volatile Organics by EPA 8021B Result Reporting Limit Spike Level Source Result Rec mg/kg mg/kg mg/kg mg/kg % ND 0.0250 | Project Name: Project Number: Droject Manager: Lava Fee #001 01058-0007 Ashley Giovengo Volatile Organics by EPA 8021B Result mg/kg Reporting mg/kg Spike mg/kg Source Result mg/kg Rec mg/kg Rec mg/kg <td>Project Name: Project Number: Lava Fee #001 01058-0007 Project Manager: Source Ashley Giovengo Rec Rec Limit RPD Result Reporting Limit Spike Level Source Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg Rec Limits RPD ND 0.0250 ND 0.0250 ND ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 ND Source Prepared: 0 4.65 0.0250 ND 5.00 95.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 95.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 94.8 70-130 7.64 8.00 95.5 70-130 7.64 8.00 95.5 70-130 4.48 0.0250 5.00</td> <td>Project Name: Project Number: 01058-0007 Project Manager: Ashley Giovengo Rec Limit Rec Level Rec Result Rec Limit Rep PPD RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 A179 0.0250 93.0 70-130 Prepared: 09/15/21 4.65 0.0250 5.00 93.8 70-130 Prepared: 09/15/21 4.79 0.0250 5.00 94.4 70-130 Prepared: 09/15/21 4.45 0.0250 5.00 94.8 70-130 Prepared: 09/15/21 4.45 0.0250 5.00 94.8 70-130 Prepared: 09/15/21 4.47 0.0250 5.00 94.6 70-130 Prepared: 09/15/21 4.47 0.0250 5.00 ND 96.4 <t< td=""></t<></td> | Project Name: Project Number: Lava Fee #001 01058-0007 Project Manager: Source Ashley Giovengo Rec Rec Limit RPD Result Reporting Limit Spike Level Source Result Rec Limits RPD mg/kg mg/kg mg/kg mg/kg Rec Limits RPD ND 0.0250 ND 0.0250 ND ND 0.0250 ND Prepared: 0 ND 0.0250 ND 0.0250 ND Source Prepared: 0 4.65 0.0250 ND 5.00 95.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 95.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 94.8 70-130 4.45 0.0250 5.00 94.8 70-130 7.64 8.00 95.5 70-130 7.64 8.00 95.5 70-130 4.48 0.0250 5.00 | Project Name: Project Number: 01058-0007 Project Manager: Ashley Giovengo Rec Limit Rec Level Rec Result Rec Limit Rep PPD RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 ND 0.0250 np Prepared: 09/15/21 Prepared: 09/15/21 A179 0.0250 93.0 70-130 Prepared: 09/15/21 4.65 0.0250 5.00 93.8 70-130 Prepared: 09/15/21 4.79 0.0250 5.00 94.4 70-130 Prepared: 09/15/21 4.45 0.0250 5.00 94.8 70-130 Prepared: 09/15/21 4.45 0.0250 5.00 94.8 70-130 Prepared: 09/15/21 4.47 0.0250 5.00 94.6 70-130 Prepared: 09/15/21 4.47 0.0250 5.00 ND 96.4 <t< td=""></t<> |



QC Summary Data

| | | QU N | | ary Data | | | | | |
|---|--------|--|----------------|--|---------|---------------|-------------|--------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:36:55PM |
| Artesia NM, 88210 | | Project Manager. | P | Ashley Glovengo | | | | | 9/20/2021 2.30.33FW |
| | Noi | nhalogenated O | rganics | by EPA 8015 | 5D - G | RO | | | Analyst: RKS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138022-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.26 | | 8.00 | | 90.7 | 70-130 | | | |
| LCS (2138022-BS2) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 51.8 | 20.0 | 50.0 | | 104 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| Matrix Spike (2138022-MS2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 54.5 | 20.0 | 50.0 | ND | 109 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.38 | | 8.00 | | 92.3 | 70-130 | | | |
| Matrix Spike Dup (2138022-MSD2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | ND | 107 | 70-130 | 2.17 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.1 | 70-130 | | | |



QC Summary Data

| | | QC DI | u I I I I I I | ial y Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:36:55PM |
| | Nonh | alogenated Orga | anics b | y EPA 8015D - | DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | |
| Blank (2138026-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 46.3 | | 50.0 | | 92.5 | 50-200 | | | |
| LCS (2138026-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 485 | 25.0 | 500 | | 97.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.7 | | 50.0 | | 95.4 | 50-200 | | | |
| Matrix Spike (2138026-MS1) | | | | Source: El | 09041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 553 | 25.0 | 500 | 28.3 | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 48.9 | | 50.0 | | 97.9 | 50-200 | | | |
| Matrix Spike Dup (2138026-MSD1) | | | | Source: El | 109041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 531 | 25.0 | 500 | 28.3 | 100 | 38-132 | 4.20 | 20 | |
| Surrogate: n-Nonane | 49.7 | | 50.0 | | 99.3 | 50-200 | | | |



QC Summary Data

| | | $\mathbf{x} \in \mathbf{z}$ | • | | • | | | | |
|--|--------|----------------------------------|----------------|-----------------------------|-----------|---------------|-------------|--------------|---------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | | Lava Fee #001 01058-0007 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager | : / | Ashley Gioveng | 0 | | | | 9/20/2021 2:36:55PM |
| | | Anions | by EPA | 300.0/9056A | L | | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138029-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2138029-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 249 | 20.0 | 250 | | 99.6 | 90-110 | | | |
| Matrix Spike (2138029-MS1) | | | | Source: | E109041-(| 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 466 | 20.0 | 250 | 211 | 102 | 80-120 | | | |
| Matrix Spike Dup (2138029-MSD1) | | | | Source: | E109041-(| 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Chloride | 460 | 20.0 | 250 | 211 | 99.5 | 80-120 | 1.35 | 20 | |

QC Summary Report Comment:

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



| ſ | Devon Energy - Carlsbad | Project Name: | Lava Fee #001 | |
|---|-------------------------|------------------|-----------------|----------------|
| | 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| | Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 09/20/21 14:36 |

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



| ent: | Chair | n of Custoc | łγ | | | | | | | | | | | Page | / of |
|--|--|-----------------|----------|------------|--------------|---------|-------------|------------|------------------|----------|----------|------------|---|----------------|----------------|
| ent: Devon Energy Dject: Lava Fre #001 | Bill To | | | | La | b Use | e On | ly | | 1 | | TA | r | | rogram |
| dress: 1224 Standpipe Ed y, State, Zip Carlsbad NM 88220 | Attention:) im Raley Address: 535 Burna Vis- | | Lab | NO# | 41 | | | Numb | | 1D | 2D | 3D | Standard | CWA | SDWA |
| dress: 1224 Standpipe Rd | Sitt, State, LISC LTIS BACI NY | nun | EIC | 740 | Ч | | | | FCCC | - | | | X | 12.20 | |
| y, State, Zip Carlsbad, Nm 88220 | Phone: 575 - 489 - 7597 | - 00 | | | - | F | Analy | sis an | d Metho | d | - | | _ | | RCRA |
| one: 505-382-1211 | Email: jim. raley 2) dun | · Com | 15 | 15 | | | | | | | | | | State | - |
| port due by: inc.com | 3 | | oy 8015 | oy 8015 | 21 | 0 | | 300.0 | | 5 | | | NM CO | UT AZ | TX |
| Time Date Matrix No. of Concellation | | Lab | ORO | DRO | by 80 | y 8260 | 5 601 | de 30 | | WW D | ¥1 | | X | | |
| Containers Sampled | | Number | DRO/ORO | GRO/DRO | BTEX by 802. | VOC by | Metals 6010 | Chloride | | BGDOC | BGDOC | | | Remarks | |
| 28 7/10/21 5 1jar 5501-0 | 91 | 1 | | | | | - | | | × | m | | | | |
| 30 9/10/21 5 1jur 5502-A | | 2 | | | | | | | | X | | | - | | |
| 359/10/21 5 1jer 5503-A | | 3 | - | | | - | | | | 100 | | | - | | |
| <u> </u> | | | | - | - | - | | | | X | - | | | | |
| 40 7/10/21 5 1jar 55021 - C | | 4 | | | | | | | | X | | | | | |
| 142 1/10/21 5 1jar 5505-0 | 1 | 5 | | | | | | | | X | | | | | |
| 477/10/21 5 1jer 5506-0 | 0' | 6 | | | | | | | | × | | - | | | |
| 5497/10/21 5 1jar 5507-0 | | 7 | | | | | | | - | × | | | | | |
| 50 A/10/21 S IJAN CONFOL | | 8 | | | | | | | - | 1, | | | | | |
| 130 1 | | Q | | | | - | - | | - | X | | | | | |
| 500 9/10/21 5 1jar CONFOZ | | 10 | | | | _ | | | | × | | - | _ | _ | |
| iditional Instructions: Preserved on | ice contraction | IN | - | - | | | | | | × | | - | - | | |
| | | | | | Sco | m | in | c | com | | | | | | |
| ield sampler), attest to the validity and authenticity of this sample. I a e or time of collection is considered fraud and may be grounds for leg | m aware that tampering with or intentionally mislabe al action. Sampled by: | elling the samp | ole loca | tion, | | | Sample | es requiri | ng thermal | preserva | tion mus | st be rece | ived on ice the day C on subsequent da | they are sampl | ed or received |
| linguished by: (Signature) Date Time | Received by (Signature) | Date | | Time | | - | | | un avg tern | | | e Only | | 175. | |
| Inquisped by: (Signature) / Date Time | 7 am | Date 9.13. | 21 | 13 Time | 310 | > | Reco | eived | on ice: | | N N | ic on | Ŷ | | |
| | 50 alitert | 914 | 21 | 11 | :0 | 0 | T1 | | | T2 | | | TЗ | | |
| Induced by Signature) Date Time | Received by: (Signature) | Date | | Time | | | | | 1 | 1 | | | | | |
| mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | (| | | | Tem | | 1 | | | | | |
| te: Samples are discarded 30 days after results are reported u | nless other arrangements are made. Hazardou | Container | l lype | :g-g | lass, | p - po | oly/pl | astic, | ag - amb | er glas | ss, v - | VOA | | | |
| mples is applicable only to those samples received by the labo | atory with this COC. The liability of the laborate | ory is limited | to the | amou | nt pai | d for a | on the | e repor | n at the t t. | nent e: | xpense | e. The | report for the a | inalysis of t | he above |
| | | | | | | 1 | 1 | | | | | | • | U | |
| | | | | | | | 2 | | (| 3 | n | V | iro | TE | C |
| | | | | | | | | | | | | 4 | | | |
| | | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Devon Energy - Carlsbad Da | ate Received: | 09/14/21 | 11:00 | Work Order ID: | E109041 |
|----------------|--|----------------------|----------|-------------------|----------------|----------------|
| Phone: | (505) 382-1211 Da | ate Logged In: | 09/14/21 | 13:57 | Logged In By: | Alexa Michaels |
| Email: | ashley.giovengo@wescominc.com D | le Date: | 09/20/21 | 17:00 (4 day TAT) | | |
| Chain o | f Custody (COC) | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | |
| 2. Does | the number of samples per sampling site location match | the COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Fed Ex | | |
| 4. Was tl | he COC complete, i.e., signatures, dates/times, requested | l analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | Comment | ts/Resolution |
| Sample | Turn Around Time (TAT) | | | | | |
| 6. Did th | ne COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| <u>Sample</u> | <u>Cooler</u> | | | | | |
| 7. Was a | sample cooler received? | | Yes | | | |
| 8. If yes, | , was cooler received in good condition? | | Yes | | | |
| 9. Was th | he sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | e custody/security seals present? | | No | | | |
| 11. If ye | s, were custody/security seals intact? | | NA | | | |
| 12. Was t | the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re | | Yes | | | |
| 10.10 | minutes of sampling | | a | | | |
| | visible ice, record the temperature. Actual sample ter | nperature: <u>4°</u> | <u>C</u> | | | |
| | <u>Container</u> | | | | | |
| | aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | e head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| | a trip blank (TB) included for VOC analyses? | | NA | | | |
| | non-VOC samples collected in the correct containers? | 11 / 10 | Yes | | | |
| | e appropriate volume/weight or number of sample containers | collected? | Yes | | | |
| Field La | | <i>.</i> • | | | | |
| | e field sample labels filled out with the minimum inform Sample ID? | ation: | Yes | | | |
| | Date/Time Collected? | | Yes | | | |
| | Collectors name? | | Yes | | | |
| <u>Sample</u> | Preservation | | | | | |
| 21. Does | s the COC or field labels indicate the samples were prese | rved? | No | | | |
| | sample(s) correctly preserved? | | NA | | | |
| 24. Is lal | b filteration required and/or requested for dissolved meta | ıls? | No | | | |
| <u>Multiph</u> | ase Sample Matrix | | | | | |
| 26. Does | s the sample have more than one phase, i.e., multiphase? | | No | | | |
| 27. If ye | s, does the COC specify which phase(s) is to be analyzed | d? | NA | | | |
| | tract Laboratory | | | | | |
| 28. Are s | samples required to get sent to a subcontract laboratory? | | No | | | |
| | a subcontract laboratory specified by the client and if so | | | | | |

e

Date

envirotech Inc.

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

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E109041

Job Number: 01058-0007

Received: 9/14/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/20/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E109041 Date Received: 9/14/2021 11:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/14/2021 11:00:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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| | | sample sum | mary | | |
|-------------------------|---------------|------------------|-----------------|----------|------------------|
| Devon Energy - Carlsbad | | Project Name: | Lava Fee #001 | | Reported: |
| 6488 7 Rivers Hwy | | Project Number: | 01058-0007 | | Reported. |
| Artesia NM, 88210 | | Project Manager: | Ashley Giovengo | | 09/20/21 14:36 |
| lient Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| S01-0'' | E109041-01A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| S02-A-0' | E109041-02A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 503-A-0' | E109041-03A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 604-0' | E109041-04A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 505-0' | E109041-05A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 506-0' | E109041-06A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| 507-0' | E109041-07A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| ONF01-1.5' | E109041-08A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| ONF02-4' | E109041-09A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| ONF03-1' | E109041-10A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. |
| | | | | | |



| | D | ampic D | | | | |
|--|--------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Mana | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS01-0'' | | | | |
| | | E109041-01 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 103 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.9 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | ıt: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.7 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138029 |
| Chloride | 211 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
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Sample Data

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|--|---------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS02-A-0' | | | | |
| | | E109041-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analy | st: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.7 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analy | st: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | 36.5 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Oil Range Organics (C28-C36) | 106 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.5 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analy | st: IY | | Batch: 2138029 |
| Chloride | 942 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |

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|--|---------------|------------|--------------|-----------|-----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | Reported: | |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS03-A-0' | | | | |
| | | E109041-03 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Ana | lyst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 96.6 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 91.1 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Ana | lyst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | 28.3 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | 67.5 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 98.9 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Ana | lyst: IY | | Batch: 2138029 |
| Chloride | 978 | 20.0 | 1 | 09/15/21 | 09/15/21 | |
| | | | | | | |



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|--|--------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | oer: 0103 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Mana | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS04-0' | | | | |
| | | E109041-04 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | yst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.2 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.8 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analyst: JL | | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2138029 |
| Chloride | 521 | 20.0 | 1 | 09/15/21 | 09/16/21 | |



Sample Data

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|--|---------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS05-0' | | | | |
| | | E109041-05 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | yst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 88.4 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | yst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 77.4 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2138029 |
| Chloride | 355 | 20.0 | 1 | 09/15/21 | 09/16/21 | |
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Sample Data

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| Devon Energy - Carlsbad | Project Name: | | a Fee #001 | | | D (1 |
| 6488 7 Rivers Hwy | Project Numb | | 58-0007 | | | Reported: 9/20/2021 2:36:55PM |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS06-0' | | | | |
| | | E109041-06 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | lyst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.5 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.0 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | lyst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | lyst: IY | | Batch: 2138029 |
| Chloride | 135 | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| | | | | | | |



Sample Data

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|--|---------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | : Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numb | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | | SS07-0' | | | | |
| | | E109041-07 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 103 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 87.8 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | 98.8 | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | 138 | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 109 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138029 |
| Chloride | 403 | 20.0 | 1 | 09/15/21 | 09/16/21 | |
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|--|---------------|-------------|----------------|-----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | er: 0105 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manag | ger: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | 0 | CONF01-1.5' | | | | |
| | | E109041-08 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Anal | lyst: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| oluene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/16/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/16/21 | |
| urrogate: 4-Bromochlorobenzene-PID | | 102 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | g Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/16/21 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 87.5 % | 70-130 | 09/15/21 | 09/16/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | lyst: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 96.0 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | lyst: IY | | Batch: 2138029 |
| Chloride | 107 | 20.0 | 1 | 09/15/21 | 09/16/21 | |
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|--|---------------|------------|--------------|----------|-----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | er: 0103 | 58-0007 | | Reported: | |
| Artesia NM, 88210 | Project Manag | er: Ash | ley Giovengo | | | 9/20/2021 2:36:55PM |
| | (| CONF02-4' | | | | |
| | | E109041-09 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138022 |
| Benzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/15/21 | 09/17/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 97.6 % | 70-130 | 09/15/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/15/21 | 09/17/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.3 % | 70-130 | 09/15/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/15/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/15/21 | |
| Surrogate: n-Nonane | | 99.5 % | 50-200 | 09/15/21 | 09/15/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138029 |
| Chloride | 45.2 | 40.0 | 2 | 09/15/21 | 09/16/21 | |
| | | | | | | |



| 58 | imple D | ลเล | | | |
|----------------|--|---|---|--|--|
| Project Name: | Lava | a Fee #001 | | | |
| Project Number | r: 0105 | 58-0007 | | Reported: | |
| Project Manage | er: Ash | ey Giovengo | | | 9/20/2021 2:36:55PM |
| (| CONF03-1' | | | | |
| I | E109041-10 | | | | |
| | Reporting | | | | |
| Result | Limit | Dilution | Prepared | Analyzed | Notes |
| mg/kg | mg/kg | Anal | yst: RKS | | Batch: 2138022 |
| ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| ND | 0.0500 | 1 | 09/15/21 | 09/17/21 | |
| ND | 0.0250 | 1 | 09/15/21 | 09/17/21 | |
| | 105 % | 70-130 | 09/15/21 | 09/17/21 | |
| mg/kg | mg/kg | Analyst: RKS | | | Batch: 2138022 |
| ND | 20.0 | 1 | 09/15/21 | 09/17/21 | |
| i | 88.0 % | 70-130 | 09/15/21 | 09/17/21 | |
| mg/kg | mg/kg | Anal | yst: JL | | Batch: 2138026 |
| 28.4 | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| ND | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| | 106 % | 50-200 | 09/15/21 | 09/16/21 | |
| л | m a/lra | Amol | uct. IV | | Batch: 2138029 |
| mg/kg | mg/kg | Allal | yst. 11 | | Batch: 2138029 |
| - | Project Name: Project Number Project Manage Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND | Project Name: Lava Project Number: 0105 Project Manager: Ashl Project Manager: Ashl CONF03-1' E109041-10 Result Limit mg/kg mg/kg Mg/kg Mg/kg ND 0.0250 ND 20.0 88.0 % g mg/kg mg/kg Mg/kg 25.0 ND 50.0 | Project Number: $01058-0007$ Ashley Giovengo Project Manager: $01058-0007$ Ashley Giovengo CONF03-1' E109041-10 Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 20.0 1 Mg/kg mg/kg Analy ND 20.0 1 Mg/kg Mg/kg 1 Mg/kg Mg/kg 1 Mg/kg Mg/kg 1 ND 50.0 1 ND 50.0 1 | I constant for the series of | I have Fee #001 Project Name: Lava Fee #001 Project Number: 01058-0007 Project Manager: Ashley Giovengo CONF03-1' E109041-10 Result Dilution Prepared Analyzed Meg/kg mg/kg Analyst: RKS Vertical 09/17/21 09/17/21 ND 0.0250 1 09/15/21 09/17/21 09/17/21 ND 0.0250 1 09/15/21 09/17/21 ND 20.0 1 <t< td=""></t<> |



QC Summary Data

| | | QC D | u1111116 | I y Date | u | | | | |
|---|--------|--|-----------|---|-----------|--------|-------------|-----------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 01 | ava Fee #001 1058-0007 .shley Gioveng | 20 | | | | Reported: 9/20/2021 2:36:55PM |
| | | Volatile O | rganics l | by EPA 802 | 21B | | | | Analyst: RKS |
| Analyte | | Reporting | Spike | Source | | Rec | | RPD | |
| Analyte | Result | Limit | Level | Result | Rec | Limits | RPD | Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138022-BLK1) | | | | | | | Prepared: 0 | 9/15/21 A | analyzed: 09/16/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.87 | 0.0200 | 8.00 | | 98.4 | 70-130 | | | |
| LCS (2138022-BS1) | | | | | | | Prepared: 0 | 9/15/21 A | analyzed: 09/16/21 |
| Benzene | 4.79 | 0.0250 | 5.00 | | 95.8 | 70-130 | | | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | | 93.0 | 70-130 | | | |
| Foluene | 4.83 | 0.0250 | 5.00 | | 96.5 | 70-130 | | | |
| o-Xylene | 4.74 | 0.0250 | 5.00 | | 94.8 | 70-130 | | | |
| p,m-Xylene | 9.45 | 0.0500 | 10.0 | | 94.5 | 70-130 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | | 94.6 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.64 | | 8.00 | | 95.5 | 70-130 | | | |
| Matrix Spike (2138022-MS1) | | | | Source: | E109040-(|)1 | Prepared: 0 | 9/15/21 A | analyzed: 09/16/21 |
| Benzene | 4.82 | 0.0250 | 5.00 | ND | 96.4 | 54-133 | | | |
| Ethylbenzene | 4.74 | 0.0250 | 5.00 | ND | 94.8 | 61-133 | | | |
| Toluene | 4.88 | 0.0250 | 5.00 | ND | 97.7 | 61-130 | | | |
| p-Xylene | 4.80 | 0.0250 | 5.00 | ND | 96.0 | 63-131 | | | |
| p,m-Xylene | 9.63 | 0.0500 | 10.0 | ND | 96.3 | 63-131 | | | |
| Total Xylenes | 14.4 | 0.0250 | 15.0 | ND | 96.2 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.35 | | 8.00 | | 104 | 70-130 | | | |
| Matrix Spike Dup (2138022-MSD1) | | | | Source: | E109040-(|)1 | Prepared: 0 | 9/15/21 A | analyzed: 09/16/21 |
| Benzene | 4.90 | 0.0250 | 5.00 | ND | 98.0 | 54-133 | 1.56 | 20 | |
| Ethylbenzene | 4.79 | 0.0250 | 5.00 | ND | 95.8 | 61-133 | 1.10 | 20 | |
| Toluene | 4.94 | 0.0250 | 5.00 | ND | 98.8 | 61-130 | 1.20 | 20 | |
| p-Xylene | 4.86 | 0.0250 | 5.00 | ND | 97.3 | 63-131 | 1.32 | 20 | |
| p,m-Xylene | 9.74 | 0.0500 | 10.0 | ND | 97.4 | 63-131 | 1.10 | 20 | |
| Total Xylenes | 14.6 | 0.0250 | 15.0 | ND | 97.3 | 63-131 | 1.17 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.26 | | 8.00 | | 103 | 70-130 | | | |
| ~ | | | | | | | | | |


QC Summary Data

| | | $\mathbf{x} \in \mathbf{v}$ | | ary Dava | | | | | |
|--|--------|----------------------------------|----------------|-----------------------------|---------|---------------|-------------|--------------|---------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | | Lava Fee #001 01058-0007 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager: | I | Ashley Giovengo | | | | | 9/20/2021 2:36:55PM |
| | No | nhalogenated O | rganics | s by EPA 8015 | 5D - G | RO | | | Analyst: RKS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138022-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.26 | | 8.00 | | 90.7 | 70-130 | | | |
| LCS (2138022-BS2) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 51.8 | 20.0 | 50.0 | | 104 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.48 | | 8.00 | | 93.5 | 70-130 | | | |
| Matrix Spike (2138022-MS2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 54.5 | 20.0 | 50.0 | ND | 109 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.38 | | 8.00 | | 92.3 | 70-130 | | | |
| Matrix Spike Dup (2138022-MSD2) | | | | Source: E | 109040- | 01 | Prepared: 0 | 9/15/21 | Analyzed: 09/16/21 |
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | ND | 107 | 70-130 | 2.17 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.37 | | 8.00 | | 92.1 | 70-130 | | | |



QC Summary Data

| | | QC D | umm | laly Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:36:55PM |
| | Nonh | alogenated Org | anics b | y EPA 8015D - | DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138026-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 46.3 | | 50.0 | | 92.5 | 50-200 | | | |
| LCS (2138026-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 485 | 25.0 | 500 | | 97.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.7 | | 50.0 | | 95.4 | 50-200 | | | |
| Matrix Spike (2138026-MS1) | | | | Source: E | 109041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 553 | 25.0 | 500 | 28.3 | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 48.9 | | 50.0 | | 97.9 | 50-200 | | | |
| Matrix Spike Dup (2138026-MSD1) | | | | Source: E | 109041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 531 | 25.0 | 500 | 28.3 | 100 | 38-132 | 4.20 | 20 | |
| Surrogate: n-Nonane | 49.7 | | 50.0 | | 99.3 | 50-200 | | | |



QC Summary Data

| | | $\mathbf{x} \in \mathcal{Z}$ | •••••• | | | | | | |
|---|-----------------|---|-------------------------|---|-------------------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager | 0 | Lava Fee #001 01058-0007 Ashley Gioveng | go | | | | Reported: 9/20/2021 2:36:55PM |
| | | Anions | by EPA | 300.0/9056 | 4 | | | | Analyst: IY |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138029-BLK1) | | | | | | | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride LCS (2138029-BS1) | ND | 20.0 | | | | | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride Matrix Spike (2138029-MS1) | 249 | 20.0 | 250 | Source: | 99.6 E109041-(| 90-110 | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride | 466 | 20.0 | 250 | 211 | 102 | 80-120 | D 10 | 0/15/21 | |
| Matrix Spike Dup (2138029-MSD1) | 160 | | 250 | | E109041-0 | | | | Analyzed: 09/15/21 |
| Chloride | 460 | 20.0 | 250 | 211 | 99.5 | 80-120 | 1.35 | 20 | |

QC Summary Report Comment:

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



| Dev | von Energy - Carlsbad | Project Name: | Lava Fee #001 | |
|-----|-----------------------|------------------|-----------------|----------------|
| 648 | 38 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Art | tesia NM, 88210 | Project Manager: | Ashley Giovengo | 09/20/21 14:36 |

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



| ont: | Chain | of Custod | У | | | | | | | | | | | Page | / of |
|--|--|-----------------|----------|---------|-------------------|---------|--|--------------------|-------------------|----------|----------|------------|---------------------|---------------|-----------------|
| oject: Lava Fee # 00 | Bill To | | | | La | b Use | e On | ly | | 1 | | TA | r | | rogram |
| oject Manager: Ashley Giovenso Idress: 1224 Standzize Rd ty, State, Zip Carlsbad, NM 88220 | Attention:) in Paley Address: 535 Burna Vist | - | Lab V | NO# | 11 | | | Num | | 1D | 2D | 3D | Standard | CWA | SDWA |
| dress: 1224 Standp: 20 Rd | Sich State, Lipt LT Space / VY | 1 607 | EIC | 940 | H | | | | FCCC | | | | X | 1 | |
| y, State, Zip Carlsbad, Nm 88220 | Phone: 575 - 689 - 7597 | . 0010 | | | - | F | Analy | sis an | d Metho | d | - | | _ | | RCRA |
| one: 505-382-1211 | Email: jim. raley a) dun | · Com | 15 | 15 | | | | | | | | | | State | <u> </u> |
| port due by: inc.com | 3 | | by 8015 | oy 8015 | 51 | 0 | 0 | 300.0 | | 5 | | | NM CO | UT AZ | TX |
| Time Date Matrix No. of Carrol Lub | | Lab | ORO | DRO I | oy 80 | y 8260 | 5 601 | de 30 | | NM 1 | XL | | X | | |
| Containers Sampled | | Number | DRO/ORO | GRO/DRO | BTEX by 802. | VOC by | Metals 6010 | Chloride | | BGDOC | BGDOC | | | Remarks | |
| 28 7/10/21 5 1jar 5501-0 |)] | 1 | | | | | | | | X | m | | | | |
| 30 9/10/21 5 1jar 5502-A | | 2 | | | | | | | - | X | - | | - | | |
| 5359/10/21 5 1jer 5503-A | | S | | - | - | - | | | | 1 | | | - | | |
| J | | | - | - | - | - | | | | X | | | | | |
| 40 7/10/21 5 1jar 55021 -0 | | 4 | | | | | | | | X | | | | | |
| 12 1/10/21 5 1jar 5505-0 | 1 | 5 | | | | | | | | X | | | | | |
| 479/10/21 5 1jer 5506-0 |) 1 | 6 | | | | | | | | × | | - | | | |
| 5497/10/21 5 1jar 5507-0 | | 7 | | | | | | | | × | | | | | |
| 50 A/10/21 5 IJAN CONFOL- | | 8 | | | | | | | - | 1, | | | | | |
| 130 | | Q | | | | - | - | | | X | | | | | |
| 500 9/10/21 5 1jar CONFOZ- | · · · | 10 | | - | | _ | | - | | × | | - | _ | | |
| dditional Instructions: Preserved on | 1 CC Charles | IN | 0 | | | | | | | × | | | - | | |
| (reserved on | | | | | Sco | m | in | c . | com | | | | | | |
| ield sampler), attest to the validity and authenticity of this sample. I an re or time of collection is considered fraud and may be grounds for legal | n aware that tampering with or intentionally mislabe | lling the samp | e locati | ion, | | - | Sample | es requir | ng thermal | preserva | tion mus | st be rece | ived on ice the day | they are samp | led or received |
| linquished by: (Signature) Date Time | Received by/(Signature) | Date | F | Time | - | _ | packed | i in ice a | an avg tem | | | | 'C on subsequent da | ıys. | |
| Inquisped by: (Signature) / Date Time | 7 am | 9.13. | 21 | 13 | 310 | > | Rec | eived | on ice: | | ab Us | e Only | Y | | |
| And Anto 9.13.21 165 | 50 Multil | 9/14 | 21 | I III | :0 | 0 | TI | | | TO | | | 772 | | |
| linguished by (Signature) Date Time | Received by: (Signature) | Date | - | Time | - | - | | | 1 | 12 | | | <u> </u> | | |
| mple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | | | | | | | Tem | | 1 | | | | | |
| ote: Samples are discarded 30 days after results are reported up | less other arrangements are made Hazardous | Container | Type: | g - gl | lass, | p - po | oly/pl | astic, | ag - amb | er glas | ss, v - | VOA | | | |
| mples is applicable only to those samples received by the labora | tory with this COC. The liability of the laborato | ry is limited t | o the a | amour | u to ci nt pai | d for d | or disp on th | oosed i e repoi | of at the c t. | lient e | xpense | e. The | report for the a | analysis of t | he above |
| | | | | | | - | - 3 | | | | | | 0 | | |
| | | | | | | | - | 5 | | | n | V | | TE | 20 |
| | | | | | | | - and the second | | | | | V | | | |
| | | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Devon Energy - Carlsbad Da | te Received: | 09/14/21 | 11:00 | Work Order ID: | E109041 |
|------------|--|---------------------|----------|---------------------|----------------|---------------|
| Phone: | (505) 382-1211 Da | te Logged In: | 09/14/21 | 13:57 | Logged In By: | Alexa Michae |
| Email: | | e Date: | | 17:00 (4 day TAT) | | |
| Chain of | <u> Custody (COC)</u> | | | | | |
| 1. Does t | he sample ID match the COC? | | Yes | | | |
| 2. Does t | he number of samples per sampling site location match | he COC | Yes | | | |
| 3. Were s | samples dropped off by client or carrier? | | Yes | Carrier: Fed Ex | | |
| 4. Was th | e COC complete, i.e., signatures, dates/times, requested | analyses? | Yes | | | |
| 5. Were a | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | field, | Yes | | Comment | ts/Resolution |
| Sample ' | <u>Furn Around Time (TAT)</u> | | | | | |
| 6. Did th | e COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample | <u>Cooler</u> | | | | | |
| | sample cooler received? | | Yes | | | |
| 3. If yes, | was cooler received in good condition? | | Yes | | | |
|). Was th | he sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | custody/security seals present? | | No | | | |
| 1. If yes | s, were custody/security seals intact? | | NA | | | |
| 12. Was t | he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling | | Yes | | | |
| 13. If no | visible ice, record the temperature. Actual sample ten | perature: <u>4°</u> | <u>C</u> | | | |
| ample | Container | - | | | | |
| | queous VOC samples present? | | No | | | |
| 5. Are V | VOC samples collected in VOA Vials? | | NA | | | |
| 6. Is the | head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| 7. Was | a trip blank (TB) included for VOC analyses? | | NA | | | |
| 8. Are 1 | non-VOC samples collected in the correct containers? | | Yes | | | |
| 9. Is the | appropriate volume/weight or number of sample containers | collected? | Yes | | | |
| Field La | <u>bel</u> | | | | | |
| | field sample labels filled out with the minimum information | ation: | | | | |
| | Sample ID? | | Yes | | | |
| | Date/Time Collected? Collectors name? | | Yes | | | |
| | Preservation | | Yes | | | |
| - | the COC or field labels indicate the samples were prese | rved? | No | | | |
| | ample(s) correctly preserved? | | NA | | | |
| | o filteration required and/or requested for dissolved meta | ls? | No | | | |
| | ase Sample Matrix | | | | | |
| | the sample have more than one phase, i.e., multiphase? | | No | | | |
| | s, does the COC specify which phase(s) is to be analyzed | !? | NA | | | |
| 2 | ract Laboratory | | 1 47 1 | | | |
| | amples required to get sent to a subcontract laboratory? | | No | | | |
| /X Ares | | | 110 | | | |
| | a subcontract laboratory specified by the client and if so | who? | NA | Subcontract Lab: NA | | |

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E109042

Job Number: 01058-0007

Received: 9/14/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/20/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E109042 Date Received: 9/14/2021 11:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/14/2021 11:00:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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| * | | Sample Summary | | | | | | | | |
|---|---------------|--|--|----------|---------------------------------|--|--|--|--|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | Lava Fee #001 01058-0007 Ashley Giovengo | | Reported: 09/20/21 14:38 | | | | | |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container | | | | | |
| CONF07-8" | E109042-01A | Soil | 09/08/21 | 09/14/21 | Glass Jar, 4 oz. | | | | | |
| CONF11-3' | E109042-02A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. | | | | | |
| CONF12-3' | E109042-03A | Soil | 09/10/21 | 09/14/21 | Glass Jar, 4 oz. | | | | | |



| | ~•• | impic D | | | | | |
|---|---|------------|---------------------------------------|--------------|---------|----------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manag | er: 010: | a Fee #001 58-0007 ley Giovengo | 0 | | | Reported: 9/20/2021 2:38:07PM |
| | (| CONF07-8'' | | | | | |
| | | E109042-01 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilut | ion Prep | bared . | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | A | Analyst: RKS | | | Batch: 2138018 |
| Benzene | ND | 0.0250 | 1 | 09/1 | 4/21 | 09/15/21 | |
| Ithylbenzene | ND | 0.0250 | 1 | 09/1 | 4/21 | 09/15/21 | |
| oluene | ND | 0.0250 | 1 | 09/1 | 4/21 | 09/15/21 | |
| -Xylene | ND | 0.0250 | 1 | 09/1 | 4/21 | 09/15/21 | |
| ,m-Xylene | ND | 0.0500 | 1 | 09/1 | 4/21 | 09/15/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/1 | 4/21 | 09/15/21 | |
| urrogate: 4-Bromochlorobenzene-PID | | 98.0 % | 70-130 | 09/1 | 4/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | A | Analyst: RKS | | | Batch: 2138018 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/1 | 4/21 | 09/15/21 | |
| urrogate: 1-Chloro-4-fluorobenzene-FID | | 104 % | 70-130 | 09/1 | 4/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | A | Analyst: JL | | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/1 | 5/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/1 | 5/21 | 09/16/21 | |
| urrogate: n-Nonane | | 105 % | 50-200 | 09/1 | 5/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | A | Analyst: IY | | | Batch: 2138028 |
| Chloride | 267 | 40.0 | 2 | 09/1 | 5/21 | 09/16/21 | |

Sample Data



| | Sa | imple D | ลเล | | | |
|--|----------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Number | r: 0103 | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ley Giovengo | | | 9/20/2021 2:38:07PM |
| | (| CONF11-3' | | | | |
| | I | E109042-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138018 |
| Benzene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Toluene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/14/21 | 09/15/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 70-130 | 09/14/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138018 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/14/21 | 09/15/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 102 % | 70-130 | 09/14/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 103 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138028 |
| Chloride | 417 | 40.0 | 2 | 09/15/21 | 09/16/21 | |
| | | | | | | |



| | 58 | imple D | ลเล | | | |
|--|----------------|------------|--------------|----------|----------|---------------------|
| Devon Energy - Carlsbad | Project Name: | Lava | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Number | r: 010: | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ley Giovengo | | | 9/20/2021 2:38:07PM |
| | (| CONF12-3' | | | | |
| |] | E109042-03 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organics by EPA 8021B | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138018 |
| Benzene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Toluene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| p-Xylene | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| o,m-Xylene | ND | 0.0500 | 1 | 09/14/21 | 09/15/21 | |
| Fotal Xylenes | ND | 0.0250 | 1 | 09/14/21 | 09/15/21 | |
| Surrogate: 4-Bromochlorobenzene-PID | | 104 % | 70-130 | 09/14/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Analys | t: RKS | | Batch: 2138018 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/14/21 | 09/15/21 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 102 % | 70-130 | 09/14/21 | 09/15/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Analys | t: JL | | Batch: 2138026 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/15/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/15/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 107 % | 50-200 | 09/15/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Analys | t: IY | | Batch: 2138028 |
| Chloride | 436 | 40.0 | 2 | 09/15/21 | 09/16/21 | |
| | | | | | | |



QC Summary Data

| | | QC DI | | ii y Data | ц | | | | |
|---|--------|--|----------------|--|-----------|---------------|-------------|--------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 01 | ava Fee #001 1058-0007 shley Gioveng | zo | | | | Reported: 9/20/2021 2:38:07PM |
| | | Volatile O | rganics l | oy EPA 802 | 21B | | | | Analyst: RKS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | : |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138018-BLK1) | | | | | | | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Benzene | ND | 0.0250 | | | | | 1 | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| p-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.42 | 0.0250 | 8.00 | | 92.7 | 70-130 | | | |
| LCS (2138018-BS1) | | | | | | | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Benzene | 4.73 | 0.0250 | 5.00 | | 94.7 | 70-130 | | | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | | 93.0 | 70-130 | | | |
| Toluene | 4.79 | 0.0250 | 5.00 | | 95.9 | 70-130 | | | |
| o-Xylene | 4.73 | 0.0250 | 5.00 | | 94.7 | 70-130 | | | |
| p,m-Xylene | 9.47 | 0.0500 | 10.0 | | 94.7 | 70-130 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | | 94.7 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 8.38 | | 8.00 | | 105 | 70-130 | | | |
| Matrix Spike (2138018-MS1) | | | | Source: | E109039-(| 01 | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Benzene | 4.95 | 0.0250 | 5.00 | ND | 98.9 | 54-133 | | | |
| Ethylbenzene | 4.81 | 0.0250 | 5.00 | ND | 96.2 | 61-133 | | | |
| Toluene | 4.98 | 0.0250 | 5.00 | ND | 99.7 | 61-130 | | | |
| p-Xylene | 4.92 | 0.0250 | 5.00 | ND | 98.3 | 63-131 | | | |
| p,m-Xylene | 9.77 | 0.0500 | 10.0 | ND | 97.7 | 63-131 | | | |
| Total Xylenes | 14.7 | 0.0250 | 15.0 | ND | 97.9 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 7.89 | | 8.00 | | 98.6 | 70-130 | | | |
| Matrix Spike Dup (2138018-MSD1) | | | | Source: | E109039-(| 01 | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Benzene | 5.02 | 0.0250 | 5.00 | ND | 100 | 54-133 | 1.53 | 20 | |
| Ethylbenzene | 4.84 | 0.0250 | 5.00 | ND | 96.8 | 61-133 | 0.706 | 20 | |
| Toluene | 5.03 | 0.0250 | 5.00 | ND | 101 | 61-130 | 0.993 | 20 | |
| p-Xylene | 4.96 | 0.0250 | 5.00 | ND | 99.2 | 63-131 | 0.831 | 20 | |
| p,m-Xylene | 9.83 | 0.0500 | 10.0 | ND | 98.3 | 63-131 | 0.600 | 20 | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 98.6 | 63-131 | 0.677 | 20 | |
| | | | | | 2010 | 05 151 | 01077 | 20 | |



QC Summary Data

| | | QU D | u 1111116 | ary Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | ava Fee #001 1058-0007 .shley Giovengo | | | | | Reported: 9/20/2021 2:38:07PM |
| | Noi | nhalogenated C | Organics | by EPA 801 | 5D - Gl | RO | | | Analyst: RKS |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | |
| | iiig/kg | iiig/kg | iiig/kg | ing/kg | /0 | /0 | /0 | /0 | Notes |
| Blank (2138018-BLK1) | | | | | | | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.44 | | 8.00 | | 106 | 70-130 | | | |
| LCS (2138018-BS2) | | | | | | | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Gasoline Range Organics (C6-C10) | 59.5 | 20.0 | 50.0 | | 119 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.50 | | 8.00 | | 106 | 70-130 | | | |
| Matrix Spike (2138018-MS2) | | | | Source: E | 109039- | 01 | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Gasoline Range Organics (C6-C10) | 59.6 | 20.0 | 50.0 | ND | 119 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.36 | | 8.00 | | 104 | 70-130 | | | |
| Matrix Spike Dup (2138018-MSD2) | | | | Source: E | 109039- | 01 | Prepared: 0 | 9/14/21 | Analyzed: 09/14/21 |
| Gasoline Range Organics (C6-C10) | 57.8 | 20.0 | 50.0 | ND | 116 | 70-130 | 3.18 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.22 | | 8.00 | | 103 | 70-130 | | | |



QC Summary Data

| | | QC D | u | laly Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/20/2021 2:38:07PM |
| | Nonh | alogenated Org | anics b | y EPA 8015D - | DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138026-BLK1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 46.3 | | 50.0 | | 92.5 | 50-200 | | | |
| LCS (2138026-BS1) | | | | | | | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 485 | 25.0 | 500 | | 97.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.7 | | 50.0 | | 95.4 | 50-200 | | | |
| Matrix Spike (2138026-MS1) | | | | Source: E | 09041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 553 | 25.0 | 500 | 28.3 | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 48.9 | | 50.0 | | 97.9 | 50-200 | | | |
| Matrix Spike Dup (2138026-MSD1) | | | | Source: E | 09041- | 03 | Prepared: 0 | 9/15/21 | Analyzed: 09/15/21 |
| Diesel Range Organics (C10-C28) | 531 | 25.0 | 500 | 28.3 | 100 | 38-132 | 4.20 | 20 | |
| Surrogate: n-Nonane | 49.7 | | 50.0 | | 99.3 | 50-200 | | | |



QC Summary Data

| | | $\mathbf{x} \in \mathcal{Z}$ | •••••• | | | | | | |
|---|-----------------|---|-------------------------|---|-------------------|--------------------|-------------|-------------------|---|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager | 0 | Lava Fee #001)1058-0007 Ashley Gioveng | go | | | | Reported: 9/20/2021 2:38:07PM |
| | | Anions | by EPA | 300.0/9056 | 4 | | | | Analyst: IY |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2138028-BLK1) | | | | | | | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride LCS (2138028-BS1) | ND | 20.0 | | | | | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride Matrix Spike (2138028-MS1) | 246 | 20.0 | 250 | Source: | 98.5 E109031-(| 90-110 | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride Matrix Spike Dup (2138028-MSD1) | 291 | 20.0 | 250 | 42.8 Source: | 99.3 E109031-(| 80-120 | Prepared: 0 | 9/15/21 A | Analyzed: 09/15/21 |
| Chloride | 301 | 20.0 | 250 | 42.8 | 103 | 80-120 | 3.41 | 20 | |

QC Summary Report Comment:

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



| Dev | on Energy - Carlsbad | Project Name: | Lava Fee #001 | |
|------|----------------------|------------------|-----------------|----------------|
| 6488 | 8 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Arte | esia NM, 88210 | Project Manager: | Ashley Giovengo | 09/20/21 14:38 |

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



| int: Davis a 6 | Chain of C | ustody | | | | | | | | | | | Pag | e / of |
|--|--|--------------------|------------------|---------|-------------|-------------|----------------|-------------------|---------|----------|-----------|----------------------------------|------------------------------|-------------------|
| ent: Devon Energy ject: Lava Fee # 001 ject Manager: Achley Giovenso dress: 1224 Standpipe Rd 1, State, Zip Carls bad, NM 88220 DDP: 505-252 Jack | Bill To | 12- | | La | ab Us | e Or | nly | | | - | TA | Т | | Program |
| ect Manager: Achley Giourneo | Attention: Jim Paley Address: 5315 Buena Vistas City, State, Zip a Cloked Am cas | Lab | WO# | + | 0 | Job | Numb | ber | 1D | 2D | 3D | Standa | d CWA | |
| ress: 1224 Standpipe Rd | City, State, Zip a clabed Am | XX. E | 104 | 04 | 4 | DIC | 58- | <u>un</u> | | | | × | | |
| , State, Zip Carls bad, Nm 88720 | City, State, ZipCarlsbad, NM 88 Phone: 575-689-7597 | | 1 | | | Analy | ysis an | d Method | | | <u> </u> | - | | RCRA |
| ne: 505 - 382 - 12 11 | Email: jim. raley 2 dyn | រ | S | | | | | | | | | 1 | State | |
| ail: ashley.giovengo ~ wescomine ort due by: | Email: jim. raley 2 dvn. | by 8015 | y 801 | 51 | 0 | | 0.0 | | 5 | | | NM | COUTA | |
| me Date | | | | y 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | NN | ¥ | | × | | |
| npled Sampled Matrix Containers Sample ID | Nin | ab nber 020/020 | RO/I | TEX b | oc b | letals | hlaric | | BGDOC | BGDOC | | | Remai | ks |
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| itional Instructions: Preserved on | ice cc shar. harveste | rNu | Jesc | om | in | LC . | con | ~ | | | | | | |
| d sampler), attest to the validity and authenticity of this sample. | am aware that tampering with or intentionally mislabelling th | e sample lo | cation | | | Sampl | or rogula | Ing the second of | | | | | | |
| in time of confection is considered fraud and may be grounds for l | gal action. Sampled by: | e sumpre to | cation, | | | packe | d in ice a | t an avg temp | above (| 0 but le | ss than 6 | eived on ice th °C on subsequ | day they are sa ant days. | mpled or received |
| during by: (Stendture) Date Time | Received by: (Signature) Date | | Time | - | | | | | L | ab U | se On | ly | | |
| quished by: (Signature) Date Time | Pecetyan by: (Signature) | 13.21 | 1 | 310 | > | Rec | eived | on ice: | (Y |) N | | | | |
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| Galshed by: Signature) Date Time | Received by: (Signature) Date | C HOI | Time | | U_ | 11 | | | 12 | | | <u></u> | | |
| ole Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _ | | | | | | | G Tem | | 1 | | | | | |
| : Samples are discarded 30 days after results are reported | | tainer Typ | | | | | | | er glas | ss, v - | VOA | | | |
| e: Samples are discarded 30 days after results are reported ples is applicable only to those samples received by the lab | oratory with this COC. The liability of the laboratory is li | nited to the | return ie amo | ed to d | client (| or dis | posed o | of at the cl | ient e | xpens | e. The | e report for | he analysis o | of the above |
| | | 1 | | | | en a | e repoi | | | | | 0 | | |
| | | | | | 8 | 2 | 3 | 6 | 3 | n | V | ira | str | ec |
| | | | | | | - | | | - | | V | | | |
| | | | | | | | | | | | | | | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| | Devon Energy - Carlsbad D | ate Received: | 09/14/21 | 11:00 | Work Order ID: | E109042 |
|---|--|------------------------|------------------------------|-------------------|----------------|----------------|
| Phone: | (505) 382-1211 D | ate Logged In: | 09/14/21 | 14:07 | Logged In By: | Alexa Michaels |
| Email: | ashley.giovengo@wescominc.com D | ue Date: | 09/20/21 | 17:00 (4 day TAT) | | |
| Chain o | of Custody (COC) | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | |
| 2. Does | the number of samples per sampling site location match | the COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Fed Ex | | |
| 4. Was t | the COC complete, i.e., signatures, dates/times, requested | d analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | <u>Commen</u> | ts/Resolution |
| <u>Sample</u> | <u>Turn Around Time (TAT)</u> | | | | | |
| 6. Did tł | he COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| <u>Sample</u> | Cooler | | | | | |
| 7. Was a | a sample cooler received? | | Yes | | | |
| 8. If yes | s, was cooler received in good condition? | | Yes | | | |
| 9. Was t | the sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Were | e custody/security seals present? | | No | | | |
| 11. If ye | es, were custody/security seals intact? | | NA | | | |
| 12. Was t | the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re | | Yes | | | |
| 13 If no | minutes of sampling o visible ice, record the temperature. Actual sample te | mperature: 1º | c | | | |
| | | inperature. <u>4 v</u> | <u> </u> | | | |
| | <u>Container</u> aqueous VOC samples present? | | No | | | |
| | VOC samples collected in VOA Vials? | | NA | | | |
| | he head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| | s a trip blank (TB) included for VOC analyses? | | NA | | | |
| | non-VOC samples collected in the correct containers? | | Yes | | | |
| | e appropriate volume/weight or number of sample container | s collected? | Yes | | | |
| 19. Is the | | | 105 | | | |
| | | | | | | |
| Field La | | ation: | | | | |
| Field La 20. Were | e field sample labels filled out with the minimum inform Sample ID? | nation: | Yes | | | |
| Field La 20. Were | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? | nation: | Yes Yes | | | |
| Field La 20. Were | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? | nation: | | | | |
| Field La 20. Were 5 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | e field sample labels filled out with the minimum inforn Sample ID? Date/Time Collected? Collectors name? Preservation | | Yes Yes | | | |
| Field La 20. Were <u>Sample</u> 21. Does | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pres | | Yes Yes No | | | |
| Field La 20. Werd 5 5 5 8 5 8 7 21. Does 22. Are | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation as the COC or field labels indicate the samples were pres sample(s) correctly preserved? | erved? | Yes Yes No NA | | | |
| Field La 20. Were <u>Sample</u> 21. Does 22. Are 24. Is la | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pres sample(s) correctly preserved? ib filteration required and/or requested for dissolved met | erved? | Yes Yes No | | | |
| Field La 20. Werd Sample 21. Does 22. Are 24. Is lai Multiph | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? • Preservation • s the COC or field labels indicate the samples were pres sample(s) correctly preserved? • b filteration required and/or requested for dissolved met hase Sample Matrix | erved? als? | Yes Yes No NA No | | | |
| Sample 20. Were 20. Were 21. Does 22. Are 24. Is lal Multiph 26. Does | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pres sample(s) correctly preserved? Ib filteration required and/or requested for dissolved met hase Sample Matrix s the sample have more than one phase, i.e., multiphase? | erved? als? | Yes Yes No NA | | | |
| Sample 21. Does 22. Are 24. Is lai Multiph 26. Does | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? • Preservation • s the COC or field labels indicate the samples were pres sample(s) correctly preserved? • b filteration required and/or requested for dissolved met hase Sample Matrix | erved? als? | Yes Yes No NA No | | | |
| Field La 20. Were Sample 21. Does 22. Are 24. Is lal Multiph 26. Does 27. If ye | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? • Preservation • st the COC or field labels indicate the samples were pres sample(s) correctly preserved? • b filteration required and/or requested for dissolved met hase Sample Matrix • st he sample have more than one phase, i.e., multiphase? • st, does the COC specify which phase(s) is to be analyze tract Laboratory | erved? als? d? | Yes Yes No No No | | | |
| Sample 21. Does 22. Are 24. Is lat Multiph 26. Does 27. If ye Subcont 28. Are | e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation so the COC or field labels indicate the samples were pres sample(s) correctly preserved? lb filteration required and/or requested for dissolved met hase Sample Matrix so the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze | erved? als? d? | Yes Yes No No No | | | |

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E109052

Job Number: 01058-0007

Received: 9/16/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/22/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 9/22/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E109052 Date Received: 9/16/2021 10:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2021 10:00:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Tom Brown Technical Representative Cell: 832-444-7704 tbrown@envirotech-inc.com

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Sample Summary

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| | | Sample Sum | mar y | | |
|-------------------------|---------------|------------------|-----------------|----------|------------------|
| Devon Energy - Carlsbad | | Project Name: | Lava Fee #001 | | Reported: |
| 6488 7 Rivers Hwy | | Project Number: | 01058-0007 | | Reported. |
| Artesia NM, 88210 | | Project Manager: | Ashley Giovengo | | 09/22/21 10:44 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| CONF14 - 4.5' | E109052-01A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| 'ONF13 - 4.5' | E109052-02A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF10 - 4.5' | E109052-03A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF09 - 4.5' | E109052-04A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF08 - 4.5' | E109052-05A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF15 - Wall | E109052-06A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF16 - Wall | E109052-07A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF17 - Wall | E109052-08A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| ONF18 - Wall | E109052-09A | Soil | 09/14/21 | 09/16/21 | Glass Jar, 4 oz. |
| | | | | | |



| | | mpic D | | | | |
|---|--|--------------------|---------------------------------------|-------------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manage | r: 0105 | a Fee #001 58-0007 ley Giovengo |) | | Reported: 9/22/2021 10:44:04AM |
| | CO | DNF14 - 4.5 | 1 | | | |
| | 1 | E109052-01 | | | | |
| Analyte | Result | Reporting Limit | Diluti | on Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 09/16/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | 1 | 09/16/21 | 09/17/21 | |
| o-Xylene | ND | 0.0250 | 1 | 09/16/21 | 09/17/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 99.5 % | 70-130 | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | А | nalyst: IY | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 99.5 % | 70-130 | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | А | nalyst: JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/16/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 182 % | 50-200 | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | А | nalyst: RAS | | Batch: 2139011 |
| Chloride | 688 | 20.0 | 1 | 09/20/21 | 09/20/21 | |

Sample Data



| | 50 | imple D | ala | | | | |
|---|---|-------------|------------------------------------|----------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manag | r: 0105 | n Fee #001 58-0007 ey Giover | | | | Reported: 9/22/2021 10:44:04AM |
| | CO | ONF13 - 4.5 | , | | | | |
| |] | E109052-02 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Di | lution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | : IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| °oluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| -Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| ,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Fotal Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 97.7 % | 70-130 | | 09/16/21 | 09/17/21 | |
| urrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 105 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst | : IY | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 97.7 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 70-130 | | 09/16/21 | 09/17/21 | |
| urrogate: Toluene-d8 | | 105 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | : JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 112 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 |
| Chloride | 815 | 40.0 | | 2 | 09/20/21 | 09/20/21 | |



| | Ja | imple D | ata | | | | | |
|--|--------------------------------|-------------|----------|-------------|----------|----------|----------------------|--|
| Devon Energy - Carlsbad | Project Name: | | Fee #001 | _ | | | | |
| 6488 7 Rivers Hwy | Project Number | 5 | | | | | Reported: | |
| Artesia NM, 88210 | Project Manager: Ashley Gioven | | | | | | 9/22/2021 10:44:04AM | |
| | CC | ONF10 - 4.5 | | | | | | |
| | I | E109052-03 | | | | | | |
| | | Reporting | | | | | | |
| Analyte | Result | Limit | Dil | lution | Prepared | Analyzed | Notes | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2138037 | |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | |
| p-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | |
| o,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | | |
| Fotal Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Surrogate: Toluene-d8 | | 109 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Surrogate: Toluene-d8 | | 109 % | 70-130 | | 09/16/21 | 09/17/21 | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | ЛL | | Batch: 2138035 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | | |
| Surrogate: n-Nonane | | 107 % | 50-200 | | 09/16/21 | 09/16/21 | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 | |
| Chloride | 675 | 40.0 | | 2 | 09/20/21 | 09/20/21 | | |



| | Da. | imple D | ata | | | | | | | |
|--|----------------|-------------|-------------------|--------------|----------|----------------|--|--|--|--|
| Devon Energy - Carlsbad | Project Name: | | a Fee #001 | - | | | | | | |
| 6488 7 Rivers Hwy | Project Numbe | 5 | | | | | Reported: 9/22/2021 10:44:04AM | | | |
| Artesia NM, 88210 | Project Manage | er: Ash | : Ashley Giovengo | | | | | | | |
| | CO | ONF09 - 4.5 | 1 | | | | | | | |
| |] | E109052-04 | | | | | | | | |
| | | Reporting | | | | | | | | |
| Analyte | Result | Limit | Dil | lution | Prepared | Analyzed | Notes | | | |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | | Batch: 2138037 | | | | |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | | | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | | | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | | | |
| o-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | | | |
| o,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | | | | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | | | | |
| Surrogate: Bromofluorobenzene | | 99.9 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | | | | |
| Surrogate: Bromofluorobenzene | | 99.9 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | | 09/16/21 | 09/17/21 | | | | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | ЛL | | Batch: 2138035 | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | | | | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | | | | |
| Surrogate: n-Nonane | | 130 % | 50-200 | | 09/16/21 | 09/16/21 | | | | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: RAS | | | Batch: 2139011 | | | |
| Chloride | 237 | 20.0 | | 1 | 09/20/21 | 09/20/21 | | | | |



| | 50 | imple D | ata | | | | |
|---|--|-------------|-------------------------------------|-------------|--|----------|----------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manage | r: 010: | a Fee #001 58-0007 ley Gioven | | Reported: 9/22/2021 10:44:04AM | | |
| | CO | ONF08 - 4.5 | • | | | | |
| |] | E109052-05 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | : IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 99.7 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 99.7 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | : JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 197 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 |
| Chloride | 638 | 40.0 | | 2 | 09/20/21 | 09/20/21 | |



| | Sa | mpie D | uu | | | | |
|---|---|------------|-------------------------------------|-------------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Number Project Manage | | a Fee #001 58-0007 ley Gioven | | | | Reported: 9/22/2021 10:44:04AM |
| | CO | NF15 - Wal |] | | | | |
| | I | E109052-06 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| o,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | 9 | 98.9 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | ļ | 98.9 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 114 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 |
| Chloride | 642 | 40.0 | | 2 | 09/20/21 | 09/20/21 | |



| | Da | mpic D | aca | | | | |
|---|---|------------|------------------------------------|-------------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Number Project Manage | | i Fee #001 i8-0007 ey Gioven | go | | | Reported: 9/22/2021 10:44:04AM |
| | CO | NF16 - Wa | 1 | | | | |
| | ŀ | 2109052-07 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dilı | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| o,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 108 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 107 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 111 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 |
| Chloride | 227 | 100 | : | 5 | 09/20/21 | 09/20/21 | |



| | Sa | imple D | uu | | | | |
|--|----------------------------------|------------|-----------------------------|-------------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | Project Name: Project Number | | Lava Fee #001 01058-0007 | | | | Reported: 9/22/2021 10:44:04AM |
| Artesia NM, 88210 | Project Manager: Ashley Giovengo | | | | | | 9/22/2021 10:44:04AM |
| | CO | NF17 - Wa | 1 | | | | |
| | I | E109052-08 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst | IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Toluene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| o,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | 9 | 99.6 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: IY | | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | ļ | 99.6 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 111 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst | : ЛL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Dil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 112 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst | RAS | | Batch: 2139011 |
| Chloride | 802 | 40.0 | | 2 | 09/20/21 | 09/20/21 | |



| | 54 | mpic D | uu | | | | |
|---|---|------------|--|----------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Number Project Manage | : 0105 | Lava Fee #001 01058-0007 Ashley Giovengo | | | | Reported: 9/22/2021 10:44:04AM |
| | CO | NF18 - Wa | 1 | | | | |
| | F | 2109052-09 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2138037 |
| Benzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Ethylbenzene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Toluene | 0.0260 | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| o-Xylene | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| p,m-Xylene | ND | 0.0500 | | 1 | 09/16/21 | 09/17/21 | |
| Total Xylenes | ND | 0.0250 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 108 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2138037 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | 1 | 09/16/21 | 09/17/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Surrogate: Toluene-d8 | | 108 % | 70-130 | | 09/16/21 | 09/17/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2138035 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | 1 | 09/16/21 | 09/16/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | 1 | 09/16/21 | 09/16/21 | |
| Surrogate: n-Nonane | | 117 % | 50-200 | | 09/16/21 | 09/16/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2139011 |
| Chloride | 766 | 40.0 | | 2 | 09/20/21 | 09/20/21 | |



QC Summary Data

| | | <u><u><u>v</u></u> v v</u> | | iry Data | | | | | |
|---|----------------|----------------------------------|-------|---------------------------|---------|------------------|-------------|-------------|--------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | | ava Fee #001 .058-0007 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager: | | shley Giovengo | | | | 9/ | 22/2021 10:44:04AM |
| | | Volatile Organic | Compo | unds by EPA | 82601 | B | | | Analyst: IY |
| Analyte | | Reporting | Spike | Source | | Rec | | RPD | |
| - | Result | Limit | Level | Result | Rec | Limits | RPD | Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138037-BLK1) | | | | | | | Prepared: 0 | 9/16/21 Ana | alyzed: 09/17/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.482 | | 0.500 | | 96.3 | 70-130 | | | |
| | | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 0.520 0.515 | | 0.500 | | 104 | 70-130 | | | |
| - | 0.515 | | 0.200 | | 105 | ,0-150 | | | |
| LCS (2138037-BS1) | | | 2.50 | | 105 | 50.100 | Prepared: 0 | 9/16/21 Ana | alyzed: 09/17/21 |
| Benzene | 2.63 | 0.0250 | 2.50 | | 105 | 70-130 | | | |
| Ethylbenzene | 2.87 | 0.0250 | 2.50 | | 115 | 70-130 | | | |
| Toluene | 2.82 | 0.0250 | 2.50 | | 113 | 70-130 | | | |
| o-Xylene | 2.77 | 0.0250 | 2.50 | | 111 | 70-130 | | | |
| p,m-Xylene | 5.70 | 0.0500 | 5.00 | | 114 | 70-130 | | | |
| Total Xylenes | 8.46 | 0.0250 | 7.50 | | 113 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.533 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.527 | | 0.500 | | 105 | 70-130 | | | |
| Matrix Spike (2138037-MS1) | | | | Source: E | 109051- | 01 | Prepared: 0 | 9/16/21 Ana | alyzed: 09/17/21 |
| Benzene | 2.76 | 0.0250 | 2.50 | ND | 110 | 48-131 | | | |
| Ethylbenzene | 3.00 | 0.0250 | 2.50 | ND | 120 | 45-135 | | | |
| Toluene | 2.97 | 0.0250 | 2.50 | ND | 119 | 48-130 | | | |
| o-Xylene | 2.85 | 0.0250 | 2.50 | ND | 114 | 43-135 | | | |
| p,m-Xylene | 5.93 | 0.0500 | 5.00 | ND | 119 | 43-135 | | | |
| Total Xylenes | 8.78 | 0.0250 | 7.50 | ND | 117 | 43-135 | | | |
| Surrogate: Bromofluorobenzene | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.538 | | 0.500 | | 108 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.528 | | 0.500 | | 106 | 70-130 | | | |
| Matrix Spike Dup (2138037-MSD1) | | | | Source: E | 109051- | 01 | Prepared: 0 | 9/16/21 Ana | alyzed: 09/17/21 |
| Benzene | 2.77 | 0.0250 | 2.50 | ND | 111 | 48-131 | 0.127 | 23 | |
| Ethylbenzene | 3.01 | 0.0250 | 2.50 | ND | 120 | 45-135 | 0.366 | 27 | |
| Toluene | 2.93 | 0.0250 | 2.50 | ND | 117 | 48-130 | 1.61 | 24 | |
| p-Xylene | 2.87 | 0.0250 | 2.50 | ND | 115 | 43-135 | 0.525 | 27 | |
| p,m-Xylene | 5.93 | 0.0500 | 5.00 | ND | 119 | 43-135 | 0.0169 | 27 | |
| Total Xylenes | 8.79 | 0.0250 | 7.50 | ND | 117 | 43-135 | 0.182 | 27 | |
| | 0.499 | 0.0250 | 0.500 | | 99.8 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.522 | | 0.500 | | 104 | 70-130 70-130 | | | |
| Surrogate: Toluene-d8 | 0.526 | | 0.500 | | 105 | | | | |



QC Summary Data

| | | $\mathbf{x} \in \mathcal{Z}$ | | il j Data | | | | | |
|---|--------|--|----------------|--|----------|---------------|-------------|-------------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | ava Fee #001 1058-0007 .shley Giovengo | | | | | Reported: 9/22/2021 10:44:04AM |
| | No | onhalogenated O | rganics | by EPA 801 | 5D - GR | 80 | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limi | t |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2138037-BLK1) | | | | | | | Prepared: 0 | 9/16/21 | Analyzed: 09/17/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.482 | | 0.500 | | 96.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.520 | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.515 | | 0.500 | | 103 | 70-130 | | | |
| LCS (2138037-BS2) | | | | | | | Prepared: 0 | 9/16/21 | Analyzed: 09/17/21 |
| Gasoline Range Organics (C6-C10) | 53.3 | 20.0 | 50.0 | | 107 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.484 | | 0.500 | | 96.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.516 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.542 | | 0.500 | | 108 | 70-130 | | | |
| Matrix Spike (2138037-MS2) | | | | Source: E | 109051-0 | 1 | Prepared: 0 | 9/16/21 | Analyzed: 09/17/21 |
| Gasoline Range Organics (C6-C10) | 51.5 | 20.0 | 50.0 | ND | 103 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.499 | | 0.500 | | 99.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.514 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.533 | | 0.500 | | 107 | 70-130 | | | |
| Matrix Spike Dup (2138037-MSD2) | | | | Source: E | 109051-0 | 1 | Prepared: 0 | 9/16/21 | Analyzed: 09/17/21 |
| Gasoline Range Organics (C6-C10) | 57.1 | 20.0 | 50.0 | ND | 114 | 70-130 | 10.4 | 20 | |
| Surrogate: Bromofluorobenzene | 0.492 | | 0.500 | | 98.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.507 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.534 | | 0.500 | | 107 | 70-130 | | | |



QC Summary Data

| | | QC D | u | laly Data | | | | | |
|---|-----------------|--|-------------------------|--|----------|--------------------|-------------|-------------------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | | Lava Fee #001 01058-0007 Ashley Giovengo | | | | | Reported: 9/22/2021 10:44:04AM |
| | Nonh | alogenated Org | anics b | y EPA 8015D - | - DRO | /ORO | | | Analyst: JL |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | |
| Blank (2138035-BLK1) | | | | | | | Prepared: 0 | 9/16/21 | Analyzed: 09/16/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 50.7 | | 50.0 | | 101 | 50-200 | | | |
| LCS (2138035-BS1) | | | | | | | Prepared: 0 | 9/16/21 | Analyzed: 09/16/21 |
| Diesel Range Organics (C10-C28) | 512 | 25.0 | 500 | | 102 | 38-132 | | | |
| Surrogate: n-Nonane | 52.8 | | 50.0 | | 106 | 50-200 | | | |
| Matrix Spike (2138035-MS1) | | | | Source: E | 109047- | 04 | Prepared: 0 | 9/16/21 | Analyzed: 09/16/21 |
| Diesel Range Organics (C10-C28) | 535 | 25.0 | 500 | ND | 107 | 38-132 | | | |
| Surrogate: n-Nonane | 53.8 | | 50.0 | | 108 | 50-200 | | | |
| Matrix Spike Dup (2138035-MSD1) | | | | Source: E | 109047- | 04 | Prepared: 0 | 9/16/21 | Analyzed: 09/16/21 |
| Diesel Range Organics (C10-C28) | 393 | 25.0 | 500 | ND | 78.5 | 38-132 | 30.6 | 20 | R2 |
| Surrogate: n-Nonane | 55.8 | | 50.0 | | 112 | 50-200 | | | |


QC Summary Data

| | | | • | | - | | | | |
|--|--------|----------------------------------|----------------|-----------------------------|-----------|---------------|--------------|--------------|----------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy | | Project Name: Project Number: | (| Lava Fee #001 01058-0007 | | | | | Reported: |
| Artesia NM, 88210 | | Project Manager | : 1 | Ashley Gioveng | ço | | | | 9/22/2021 10:44:04AM |
| | | Anions | by EPA | 300.0/9056A | N | | | | Analyst: RAS |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2139011-BLK1) | | | | | | | Prepared: 09 | 9/20/21 | Analyzed: 09/20/21 |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2139011-BS1) | | | | | | | Prepared: 09 | 9/20/21 | Analyzed: 09/20/21 |
| Chloride | 239 | 20.0 | 250 | | 95.6 | 90-110 | | | |
| Matrix Spike (2139011-MS1) | | | | Source: | E109052-(|)1 | Prepared: 09 | 9/20/21 | Analyzed: 09/20/21 |
| Chloride | 943 | 20.0 | 250 | 688 | 102 | 80-120 | | | |
| Matrix Spike Dup (2139011-MSD1) | | | | Source: | E109052-(|)1 | Prepared: 09 | 9/20/21 | Analyzed: 09/20/21 |
| Chloride | 942 | 20.0 | 250 | 688 | 102 | 80-120 | 0.0297 | 20 | |

QC Summary Report Comment:

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



| | 2 • | | |
|-------------------------|------------------|-----------------|----------------|
| Devon Energy - Carlsbad | Project Name: | Lava Fee #001 | |
| 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 09/22/21 10:44 |

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with ** are non-accredited methods.

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





| · · · · · · · · · · · · · · · · · · · | Chain | of Custod | ly | | | | | | | | | | | Page | / of |
|--|--|---------------|----------|-----------|---------|----------|-----------|-------------------------|--------------|---------------------|---------------------|--------------------------|---|------------------|----------------|
| oject: Lava Fcc Fool | Bill To | | | | La | b Use | e On | lv | | 1 | | TA | т | | |
| viect Manager: Achleu Cimera | Attention: Sim Raley | | Lab | WO# | | | Job | Numb | ber | 1D | 2D | 3D | Standard | CWA | sDWA |
| ject Manager: Ashley Giovenso Iress: 1224 Standinge Rd | Address: 5315 Buena Vista | Dr. | EK | 591 | Œ | 20 | 010 | 58-1 | F000 | - | | | X | GUN | JUVA |
| State, Lip Carlsbad, NM 68720 | City, State, Zip Carlsbad, N Phone: 575-689-759 | 7 | D I | | | 1 | Analy | sis an | d Metho | d | | | | | RCRA |
| ne: 303-382-1211 | Email: ; im. raley a) dun | | | | | | | | 100 | | | | | 1000 | |
| ail: ashley. giovengo a) gmail. | , aleg wath | | 8015 | 8015 | | | | | | | | | NIN AL CO | State | Lawrence |
| | | | O by | yd O | by 8021 | 8260 | 6010 | 300.0 | | NN | XI | | X | D UT AZ | TX |
| me Date Matrix No. of Containers Sample ID | | Lab | DRO/ORO | GRO/DRO I | EX by | voc by 8 | Metals 6 | oride | 0.12 | BGDOC | y | | 1-1-1 | | |
| | | Number | DR | GR(| BTEX | VO | Met | Chlo | | BGD | BGDG | | | Remarks | |
| 35 7/14/21 5 1jar CONF14 | -4.5 | 1 | | | | | | | | X | 11 | | in the fi | | |
| 30 9/14/21 5 Ljar CONF13 | -4.51 | 2 | | | | | | | | X | - | | | | |
| 45 1/14/21 5 1jan CONFID | | 3 | - | | | | | - | | X | - | - | | | |
| | | 2 | | | | | | | 1 | P | 1 | | | | |
| 25 9/14/2 5 1:ar CON FOQ. | - 4.5' | 4 | | | | | | | | X | | | | | |
| 307/14/21 5 1547 CONFOS- | | 5 | | | | | | | | V | | | | | |
| | | - | | - | - | | | | | ſ | - | | | | |
| LO Eliul 21 S Line CONFIS | - wall | 0 | | | | | | | | X | | | | | |
| 307/14/21 5 1jar CONFILE | - wall | 7 | | | | | | | | X | | | | | |
| 359/14/215 1jar CONFA | - 61611 | 8 | | | | | | | | X | | | | | |
| 359/14/215 Ijar CONFA 209/14/2 5 Ijar CONF18 | | a | | | | | | | | 1.1 | | | | | |
| in the second se | - Wall | | | - | - | | | | | 1 | | | | | |
| 9/14/8 | N | | 13.18 | | | | | | | | | | | | |
| litional Instructions: Preserved on | ice please cc | shar | . h | ari | ves | fer | - 2 | Jw | escon | nin | .c. | cor | <u> </u> | | |
| Id sampler), attest to the validity and authenticity of this sample. | am aware that tampering with or intentionally middle | | | | | | | | | | | | | _ | |
| eld sampler), attest to the validity and authenticity of this sample. Is or time of collection is considered fraud and may be grounds for leg | gal action. Sampled by: AShUU | | ble loca | tion, | 2 | | packer | es requir i in ice a | t an avg tem | preserva p above | tion mi 0 but le | ust be rec ess than 6 | eived on ice the di °C on subsequent | ay they are samp | ed or received |
| | Received by: (Signature) | Date | | Time | | | | | | | _ | se On | | | |
| nquited by: (Signature) Date Time | 8an Art | 9.15 | .21 | 11 | 140 |) | Reco | eived | on ice: | |) N | | ., | | |
| 2 /17 01 | too (Signature) | Date II A | 51 | Time | | 5 | | | | - | | | | | |
| acuished by: (Signature) Date Time | Received by: (Signature) | Date | 21 | Time |).(| | <u>T1</u> | | | <u>T2</u> | | | <u>T3</u> | | |
| | | 1,21,62 | | | | | AVG | Tem | | - | | | | | |
| ole Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other | | Container | Туре | : g - f | glass, | | | | | ergla | 55 V. | - VOA | | | |
| e: Samples are discarded 30 days after results are reported up ples is applicable only to those samples received by the labo | inless other arrangements are made. Hazardous | | | | | | | | | lient e | xpens | se. The | e report for the | analysis of t | he above |
| , and a sumpled received by the labo | actory with this COC. The liability of the laborato | ry is limited | to the | amou | int pa | id for | on th | e repo | rt. | | | | | | |
| | | | | | | 1 | 9 | ł | 6 | | 5 | | ÎKA | - | - |
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Received by OCD: 10/28/2021 8:22:58 AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Enail: abley given goiger second inc.com Due Date: 09/22/21 17:00 (4 day TAT) Chain of Castady (COC) Yes Carrier: End Enail Network 1. Does the number of samples per sampling site location match the COC Yes Carrier: End Enail Network 9. Were and samples preserved within holding time? Yes Carrier: End Enail 9. Were all samples received within holding time? Yes Sample Cooler: Comments/Recolution Sample Cooler received? Note: Comments/Recolution Comments/Recolution Sample Cooler received? Yes Sample Cooler received? Yes 10. Were castady/security seals preserv? Yes Sample Cooler received? Yes 10. Were castady/security seals preserv? Yes Sample Cooler received? Yes 11. If yes, were costeddy/security seals preserv? No No Sample Cooler received? 11. If yes, were castady/security seals intact? Yes Sample Cooler received? Yes 12. Was the sample spreserv? No No Sample Cooler received? Yes 13. If no visible ice, record the temperature. 4/C tas Yes Sample Cooler fact Yes | Client: | Devon Energy - Carlsbad Da | ate Received: | 09/16/21 | 10:00 | Work Order ID: | E109052 |
|--|-----------------|--|----------------------|------------|---------------------|----------------|----------------|
| Email: ashley.gioven.go@jeves.comin.com Due Due: 09/2221 17:00 (4 day TAT) And Classfady (COC) | Phone: | (505) 382-1211 Da | ate Logged In: | 09/16/21 | 10:54 | Logged In By: | Alexa Michaels |
| 1. Does the sample ID match the COC? Yes 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped of by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were analysis, such as pit which about be conducted in the field, i.e., if simule tool dime, are not included in this discussion. Yes 5. More Confloct Yes 7. Was a sample cooler received? Yes 9. Was is asample/sprecived integration? Yes 9. Was is asample for environ time of the discussion. Comments/Resolution 9. Was is asample for environ time of the discussion. Yes 9. Was is asample for environ time of the discussion. Yes 10. Were custedy/security seals intact? No 11. If yes, ware custedy/security seals intact? No 12. Was the sample prevent on is not required, if samples are received wid 15 minute so sampling No 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> 14. Are aqueous VOC samples collected in the orrect containers? Yes 15. Are VOC samples collected in the correct containers? Yes 16. Is the dasapte less filled out with the minimum information Sample Collected? <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | |
| 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/himes, requested analyses? Yes 5. Were all samples received within holding time? Yes Note: A Analysis, such as phy which should be conducted in the field, i.e., 15 minure hold time, are not included in fish discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler received? Yes, was cooler received? Yes, was cooler received? 9. Was the sample (cooler received? No 10. Were custody/security seals inter? No 11. Frys, were custody/security seals inter? No 12. Was the sample for evented in the field, if samples are received with minum information: Sample Container 14. Are aquecous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space close than 6-8 mm (pea sized or less)? NA 16. Is the head space close than 6-8 mm (pea sized or less)? NA 17. Was at the sample collected in to A Vials? NA 16. Is the head space close than 6-8 mm (pea sized or less)? NA 17. Was at the sample collected in the orreret containers? Yes Date/Time Collected? Yes Date/Time Collected? Yes Collectors name? Yes | Chain o | f Custody (COC) | | | | | |
| 3. Were samples dropped off by client or currier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within bolding time? Yes Note: Analysis, such as pII which should be conducted in the field, i.e., 15 munce hold time, are not included in this discussion. Carrier: Fed Ex Sample Cooler Yes Sample Cooler cecived? Yes Nas a sample cooler received ing od condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 9. Was the sample cooler received? No 11. If yes, were custody/security seals intact? No 12. Was the sample teceived on ice? If yes, the recorded tamp is 4°C, i.e., 6°±2°C. Yes Not: Thermal provervation is on trequired, if samples are received with 15 minutes of analping No 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Yes Sample Contine: Yes 14. Are aqueous VOC samples present? No 15. Are to visible ice, record the temperature: 4°C Yes Sample Contine: Yes 16. Is the head pack bes than ch of sample containers collected? Yes Dister the provide volume weight or number of sample containers collected? Yes Contricter team Yes Dister time collected? Yes | 1. Does | the sample ID match the COC? | | Yes | | | |
| 3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Note: Analysis, such as pH which should be conducted in the field, i.e. if smute hold time, are not included in this discussion. Sample Corr and transmitter in this discussion. Sample Corr received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals presen? 10. Were custody/security seals presen? 11. If yes, were custody/security seals presen? 13. If no visible ice, record the temperature? 14. Are aqueous VOC samples presen? 15. Is the bad space less than 6.3 mm (pea sized or less)? 16. Is the head space less than 6.3 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the minimum information: Sample Corr field sample to number of sample containers collected? Yes 20. Were field sample labels filled out with the minimum information: Sample Corr field black in number of samples collected? Yes 21. Dress the Corr field black in fundate the sample surger preserved? 10. Buse trapportiate volume/weight or number of samples collected? Yes 21. Dress the Corr field black influed of rot YOC analyses? 23. Collectors mane? 24. Is the field sample labels filled out with the minimum information: Sample D? 21. Dress the Corr field black indicate the samples were preserved? 21. Dress the Corr field black indicate the samples were preserved? 21. Dress the Corr field black indicate the samples were preserved? 23. Are sample(s) correctly preserved? 24. Is the fill flues indicate the samples were preserved? 24. Are sample for the or equated of dissolved metals? 25. Are sample flues indicate the samples were preserved? 25. Are sample flues indicate the samples were preserved? 26. Are sample flues indic | | • | the COC | Yes | | | |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? Yes 5. Nore analysis, such as pill which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. 5. Sample Cooler received? Yes 8. If yes, was cooler received? Yes 8. If yes, was cooler received? Yes 9. Was the sample cooler received? Yes 9. Was the sample cooler received? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intet? No 11. If yes, were custody/security seals intet? No 11. If yes, were custody/security seals intet? Yes 9. Was the sample received on iso? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes 12. Was the sample received on iso? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}$ 15. Are VOC samples collected in two Carelos? No 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the orient containers? Yes 19. Is the appropriate volume/weight or number of sample containers collecte? Yes Collectors name? Yes 5. Collectors name? No 2. Are sample(s) correcity preserved? No 3. Are sample(s) co | 3. Were | samples dropped off by client or carrier? | | | Carrier: Fed Ex | | |
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| 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler Yes 9. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample cooler received in tate, i.e., not broken? Yes 10. Were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Yes Sample Container I 14. Arc aqueous VOC samples present? No 15. Arc VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was at inp blank (TB) included for VOC analyses? NA 18. Arc non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Collectors name? Yes Date/Time Collected? Yes Date/Time Collected? Yes Collectors name? Yes Date the COC or field labels indicate the samples were preserved? | 5. Were | Note: Analysis, such as pH which should be conducted in the | e field, | Yes | | <u>Commen</u> | ts/Resolution |
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| 7. Was a sample cooler received? Yes 8. If yes, was cooler received in god condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is no required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2°C}$ No 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 9. Is the appropriate volume/weight or number of sample containers collected? Yes Collectors name? Yes Collectors name? Yes 2. Are sample (s) orrectly preserved? No 2. Are sample (sorectly preserved? No | <u>Sampl</u> e | <u>Cooler</u> | | | | | |
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| 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label Yes 20. Were field sample labels filled out with the minimum information: Yes Sample ID? Yes Date/Time Collected? Yes Collectors name? Yes 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? Na 24. Is lab filteration required and/or requested for dissolved metals? No 25. Does the Sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? Na Subcontract Laboratory Na 28. Are samples required to get sent to a subcontract laboratory? No | 13. If no | | nperature: <u>4°</u> | <u>°C</u> | | | |
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| Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? | 18. Are 1 | non-VOC samples collected in the correct containers? | | Yes | | | |
| 20. Were field sample labels filled out with the minimum information: Yes Sample ID? Yes Date/Time Collected? Yes Collectors name? Yes Sample Preservation Yes 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix Yes 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory NA 28. Are samples required to get sent to a subcontract laboratory? No | 19. Is the | appropriate volume/weight or number of sample containers | collected? | Yes | | | |
| Sample ID?YesDate/Time Collected?YesCollectors name?YesSample PreservationYes21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample MatrixYes26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NASubcontract LaboratoryYA28. Are samples required to get sent to a subcontract laboratory?No | <u>Field La</u> | ibel | | | | | |
| Date/Time Collected? Yes Date/Time Collected? Yes Collectors name? Yes Sample Preservation Yes 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix Yes 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory No 28. Are samples required to get sent to a subcontract laboratory? No | - | | ation: | | | | |
| Collectors name?YesSample PreservationNo21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample MatrixVo26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NASubcontract LaboratoryVA28. Are samples required to get sent to a subcontract laboratory?No | | 1 | | Yes | | | |
| Sample Preservation No 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix No 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory NA 28. Are samples required to get sent to a subcontract laboratory? No | | | | | L | | |
| 21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix | | | | Yes | | | |
| 22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix | _ | | myod? | No | | | |
| 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix | | | nveu? | | | | |
| Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No | | | ıls? | | | | |
| 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No | | | · • | 110 | | | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No | _ | - | | № Т | | | |
| Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No | | | | | | | |
| 28. Are samples required to get sent to a subcontract laboratory? No | | | u: | NA | | | |
| | - | | | | | | |
| 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA | | | | | | | |
| | 29. Was | a subcontract laboratory specified by the client and if so | who? | NA | Subcontract Lab: NA | | |

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

Lava Fee #001

Work Order: E110099

Job Number: 01058-0007

Received: 10/20/2021

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 10/20/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 10/20/21

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Lava Fee #001 Workorder: E110099 Date Received: 10/20/2021 11:43:00AM

Ashley Giovengo,

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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/20/2021 11:43:00AM, under the Project Name: Lava Fee #001.

The analytical test results summarized in this report with the Project Name: Lava Fee #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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| v | | | | | |
|---|---------------|--|--|----------|---------------------------------|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | Lava Fee #001 01058-0007 Ashley Giovengo | | Reported: 10/20/21 18:00 |
| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
| CONF01A-0' | E110099-01A | Soil | 10/18/21 | 10/20/21 | Glass Jar, 4 oz. |
| CONF02A-0' | E110099-02A | Soil | 10/18/21 | 10/20/21 | Glass Jar, 4 oz. |
| CONF03A-0' | E110099-03A | Soil | 10/18/21 | 10/20/21 | Glass Jar, 4 oz. |



| | | mpic D | | | | | |
|--|----------------|------------|------------|----------|----------|----------|----------------------|
| Devon Energy - Carlsbad | Project Name: | | a Fee #001 | _ | | | |
| 6488 7 Rivers Hwy | Project Numbe | | 58-0007 | | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ey Giover | ngo | | | 10/20/2021 6:00:29PM |
| | С | ONF01A-0' | | | | | |
| | | E110099-01 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | lution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | mg/kg | | IY | | Batch: 2143022 |
| Benzene | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Ethylbenzene | 0.0670 | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Toluene | 0.0970 | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| p-Xylene | 0.463 | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| p,m-Xylene | 0.208 | 0.100 | | 2 | 10/20/21 | 10/20/21 | |
| Total Xylenes | 0.671 | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 123 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.2 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: Toluene-d8 | | 111 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst: | IY | | Batch: 2143022 |
| Gasoline Range Organics (C6-C10) | 198 | 40.0 | | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 123 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.2 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: Toluene-d8 | | 111 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst: | JL | | Batch: 2143032 |
| Diesel Range Organics (C10-C28) | 5820 | 250 | | 10 | 10/20/21 | 10/20/21 | |
| Oil Range Organics (C28-C36) | 2000 | 500 | | 10 | 10/20/21 | 10/20/21 | |
| Surrogate: n-Nonane | | 170 % | 50-200 | | 10/20/21 | 10/20/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst: | RAS | | Batch: 2143028 |
| Chloride | 190 | 20.0 | | 1 | 10/20/21 | 10/20/21 | |

Sample Data



| | | mpic D | | | | |
|--|----------------|------------|-------------|----------|----------|----------------------|
| Devon Energy - Carlsbad | Project Name: | | a Fee #001 | | | |
| 6488 7 Rivers Hwy | Project Numbe | | 58-0007 | | | Reported: |
| Artesia NM, 88210 | Project Manage | er: Ash | ey Giovengo | | | 10/20/2021 6:00:29PM |
| | С | ONF02A-0' | | | | |
| |] | E110099-02 | | | | |
| | | Reporting | | | | |
| Analyte | Result | Limit | Dilution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2143022 |
| Benzene | ND | 0.0500 | 2 | 10/20/21 | 10/20/21 | |
| Ethylbenzene | 0.404 | 0.0500 | 2 | 10/20/21 | 10/20/21 | |
| Toluene | 0.408 | 0.0500 | 2 | 10/20/21 | 10/20/21 | |
| o-Xylene | 2.79 | 0.0500 | 2 | 10/20/21 | 10/20/21 | |
| o,m-Xylene | 3.88 | 0.100 | 2 | 10/20/21 | 10/20/21 | |
| Total Xylenes | 6.67 | 0.0500 | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 135 % | 70-130 | 10/20/21 | 10/20/21 | S3 |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.4 % | 70-130 | 10/20/21 | 10/20/21 | |
| Surrogate: Toluene-d8 | | 106 % | 70-130 | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | Anal | yst: IY | | Batch: 2143022 |
| Gasoline Range Organics (C6-C10) | 266 | 40.0 | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 135 % | 70-130 | 10/20/21 | 10/20/21 | |
| urrogate: 1,2-Dichloroethane-d4 | | 96.4 % | 70-130 | 10/20/21 | 10/20/21 | |
| urrogate: Toluene-d8 | | 106 % | 70-130 | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | Anal | yst: JL | | Batch: 2143032 |
| Diesel Range Organics (C10-C28) | 8570 | 500 | 20 | 10/20/21 | 10/20/21 | |
| Dil Range Organics (C28-C36) | 2880 | 1000 | 20 | 10/20/21 | 10/20/21 | |
| Surrogate: n-Nonane | | 200 % | 50-200 | 10/20/21 | 10/20/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | Anal | yst: RAS | | Batch: 2143028 |
| Chloride | 423 | 20.0 | 1 | 10/20/21 | 10/20/21 | |



| | 50 | imple D | ala | | | | |
|---|--|------------|------------------------------------|---------|----------|----------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | Project Name: Project Numbe Project Manage | r: 0105 | n Fee #001 58-0007 ey Gioven | | | | Reported: 10/20/2021 6:00:29PM |
| · · · · · · · · · · · · · · · · · · · | | ONF03A-0' | • | | | | |
| | | E110099-03 | | | | | |
| | | Reporting | | | | | |
| Analyte | Result | Limit | Dil | ution | Prepared | Analyzed | Notes |
| Volatile Organic Compounds by EPA 8260B | mg/kg | mg/kg | | Analyst | : IY | | Batch: 2143022 |
| Benzene | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Ethylbenzene | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Toluene | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| o-Xylene | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| o,m-Xylene | ND | 0.100 | | 2 | 10/20/21 | 10/20/21 | |
| Fotal Xylenes | ND | 0.0500 | | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.1 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: Toluene-d8 | | 93.5 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - GRO | mg/kg | mg/kg | | Analyst | : IY | | Batch: 2143022 |
| Gasoline Range Organics (C6-C10) | ND | 40.0 | | 2 | 10/20/21 | 10/20/21 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.1 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Surrogate: Toluene-d8 | | 93.5 % | 70-130 | | 10/20/21 | 10/20/21 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | mg/kg | mg/kg | | Analyst | : JL | | Batch: 2143032 |
| Diesel Range Organics (C10-C28) | 182 | 25.0 | | 1 | 10/20/21 | 10/20/21 | |
| Dil Range Organics (C28-C36) | 212 | 50.0 | | 1 | 10/20/21 | 10/20/21 | |
| Surrogate: n-Nonane | | 126 % | 50-200 | | 10/20/21 | 10/20/21 | |
| Anions by EPA 300.0/9056A | mg/kg | mg/kg | | Analyst | RAS | | Batch: 2143028 |
| Chloride | 46.0 | 20.0 | | 1 | 10/20/21 | 10/20/21 | |



QC Summary Data

| | | - | | • | | | | | |
|----------------------------------|--------|--------------------|----------------|------------------|---------|---------------|-------------|--------------|----------------------|
| Devon Energy - Carlsbad | | Project Name: | | wa Fee #001 | | | | | Reported: |
| 6488 7 Rivers Hwy | | Project Number: | 01 | 058-0007 | | | | | |
| Artesia NM, 88210 | | Project Manager: | As | shley Giovengo | | | | | 10/20/2021 6:00:29PM |
| | V | olatile Organic | Compo | unds by EPA | A 8260H | 3 | | | Analyst: IY |
| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | |
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | Notes |
| Blank (2143022-BLK1) | | | | | | | Prepared: 1 | 0/19/21 A | analyzed: 10/19/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.491 | | 0.500 | | 98.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.520 | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| LCS (2143022-BS1) | | | | | | | Prepared: 1 | 0/19/21 A | analyzed: 10/19/21 |
| Benzene | 2.80 | 0.0250 | 2.50 | | 112 | 70-130 | | | |
| Ethylbenzene | 2.80 | 0.0250 | 2.50 | | 112 | 70-130 | | | |
| Toluene | 2.90 | 0.0250 | 2.50 | | 116 | 70-130 | | | |
| p-Xylene | 2.73 | 0.0250 | 2.50 | | 109 | 70-130 | | | |
| p,m-Xylene | 5.84 | 0.0500 | 5.00 | | 117 | 70-130 | | | |
| Total Xylenes | 8.57 | 0.0250 | 7.50 | | 114 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.499 | | 0.500 | | 99.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.533 | | 0.500 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.498 | | 0.500 | | 99.6 | 70-130 | | | |
| LCS Dup (2143022-BSD1) | | | | | | | Prepared: 1 | 0/19/21 A | analyzed: 10/19/21 |
| Benzene | 2.77 | 0.0250 | 2.50 | | 111 | 70-130 | 0.934 | 23 | |
| Ethylbenzene | 2.79 | 0.0250 | 2.50 | | 112 | 70-130 | 0.376 | 27 | |
| Toluene | 2.86 | 0.0250 | 2.50 | | 114 | 70-130 | 1.51 | 24 | |
| o-Xylene | 2.76 | 0.0250 | 2.50 | | 110 | 70-130 | 0.983 | 27 | |
| p,m-Xylene | 5.85 | 0.0500 | 5.00 | | 117 | 70-130 | 0.163 | 27 | |
| Total Xylenes | 8.60 | 0.0250 | 7.50 | | 115 | 70-130 | 0.425 | 27 | |
| Surrogate: Bromofluorobenzene | 0.507 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.516 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.492 | | 0.500 | | 98.3 | 70-130 | | | |



QC Summary Data

| | | QC D | uIIIII | ary Data | a | | | | |
|---|-----------------|--|-------------------------|---|------------|--------------------|-------------|-------------------|--|
| Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210 | | Project Name: Project Number: Project Manager: | 0 | ava Fee #001 1058-0007 Ashley Gioveng | <u>3</u> 0 | | | | Reported: 10/20/2021 6:00:29PM |
| | No | nhalogenated (| Organics | by EPA 801 | 15D - G | RO | | | Analyst: IY |
| Analyte | Result mg/kg | Reporting Limit mg/kg | Spike Level mg/kg | Source Result mg/kg | Rec % | Rec Limits % | RPD % | RPD Limit % | Notes |
| Blank (2143022-BLK1) | | | | | | | Prepared: 1 | 0/19/21 A | nalyzed: 10/19/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.491 | | 0.500 | | 98.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.520 | | 0.500 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| LCS (2143022-BS2) | | | | | | | Prepared: 1 | 0/19/21 A | nalyzed: 10/19/21 |
| Gasoline Range Organics (C6-C10) | 49.5 | 20.0 | 50.0 | | 99.1 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.486 | | 0.500 | | 97.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.509 | | 0.500 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.482 | | 0.500 | | 96.3 | 70-130 | | | |
| LCS Dup (2143022-BSD2) | | | | | | | Prepared: 1 | 0/19/21 A | nalyzed: 10/19/21 |
| Gasoline Range Organics (C6-C10) | 49.7 | 20.0 | 50.0 | | 99.3 | 70-130 | 0.232 | 20 | |
| Surrogate: Bromofluorobenzene | 0.497 | | 0.500 | | 99.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.514 | | 0.500 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.491 | | 0.500 | | 98.2 | 70-130 | | | |
| | | | | | | | | | |

QC Summary Report Comment:

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



| | | Deminions | | |
|---|-------------------------|------------------|-----------------|----------------|
| Γ | Devon Energy - Carlsbad | Project Name: | Lava Fee #001 | |
| | 6488 7 Rivers Hwy | Project Number: | 01058-0007 | Reported: |
| | Artesia NM, 88210 | Project Manager: | Ashley Giovengo | 10/20/21 18:00 |
| | | | | |

S3 Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with ** are non-accredited methods.

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



| Date Date Matrix No. of Sampled Matrix Sample ID 29 10 1872 S 5 10 1872 S 1 1 1 2 10 1872 2 10 1872 3 10 1872 1 3 1 3 1 3 1 3 1 3 1 3 1 | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | | 9 | Job I OC Analy | Number | | 2D | TA 3D | Sta | ndard NM CO | CWA State | SDWA RCRA |
|---|--------------------------------------|--------------------|-----------------|----------------------------|-------------|----------------------|--|-------------|--------------|------------|----------|----------------|----------------|----------------|
| il: <u>ashley.gioverso a) wescon</u> <u>inc. com</u> <u>bet Date</u> <u>Sampled</u> Matrix No. of <u>Containers</u> Sample ID | Lab Number | | GRO/DRO by 8015 | X by 8021 | 8260 | 010 | 00.0 | × | | | | NMLCO | | - me l |
| oled Sampled Matrix Containers Sample ID | Number | DRO/OR | GRO/DR | X by | ~ | | m | Z | X | | 1 | X | 01 112 | TX |
| 5 10/18/21 5 1jar CONFOLA-0' | | 11 | | BTE | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | BGDOC 1 | | | | Remarks | |
| 5 Iolista S Ijar CONFOZA-O' | | | | | | | | X | m | | | i | | |
| | 2 | | | | | | | X | | | 1 | 1 | | |
| 9 IO/18/21 S Ijar CONFO3A-0' | 3 | | | | | | | X | 2.1 | | | 1 | | |
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| | | | | | | | | | | | | | | |
| | | - | - | | | | | - | | - | | 1 | | |
| | - | - | | | | | | - | | | | 3 | | |
| itional Instructions: | | | | | | | | | | | | : : | | |
| d sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mis or time of collection is considered fraud and may be grounds for legal action. <u>Sampled by:</u> | slabelling the samp | ole loca | ition, | | | Sample | es requiring therm | al preserva | ation m | ust be re | ceived c | on Ice the day | they are sampl | ed or receiver |
| quished by: (Signature) Date Time Received by: (Signature) quished by: (Signature) Date Time Received by: (Signature) quished by: (Signature) Date Time Received by: (Signature) | 10-19-21 | | | -21 10:23 Received on ice: | | | | J | Lab Use Only | | | subsequent d | ays. | |
| quished by: (Signature) Date Time Received by: (Signature) | IO/20 Date | 10/20/21/11:43 | | | - | | | | - | <u>T'3</u> | | | | |
| le Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other : Samples are discarded 30 days after results are reported unless other arrangements are mode | Containe | Туре |) 2: g - e | glass, | p-p | oly/pl | G Temp ^o C lastic, ag - an | iber gla | ss, v - | - VOA | | - | | |
| Samples are discarded 30 days after results are reported unless other arrangements are made. Hazard les is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory with this COC. | oous samples wi ratory is limited | ll be ri to the | eturne amou | ed to c int pa | id for | or disp on the | posed of at the e report. | e client e | expens | se. Th | e repo | - 1 | analysis of t | |

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

| Client: | Devon Energy - Carlsbad Da | te Received: | 10/20/21 | 11:43 | Work Order ID: | E110099 |
|----------------|--|----------------------|----------|---------------------|----------------|----------------|
| Phone: | (505) 382-1211 Da | te Logged In: | 10/20/21 | 12:01 | Logged In By: | Alexa Michaels |
| Email: | | Due Date: | 10/20/21 | 17:00 (0 day TAT) | · · · · | |
| <u>Chain o</u> | of Custody (COC) | | | | | |
| 1. Does | the sample ID match the COC? | | Yes | | | |
| | the number of samples per sampling site location match | the COC | Yes | | | |
| 3. Were | samples dropped off by client or carrier? | | Yes | Carrier: Fed Ex | | |
| 4. Was t | he COC complete, i.e., signatures, dates/times, requested | analyses? | Yes | | | |
| 5. Were | all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion. | e field, | Yes | | <u>Commen</u> | ts/Resolution |
| Sample | Turn Around Time (TAT) | | | | | |
| - | he COC indicate standard TAT, or Expedited TAT? | | Yes | | | |
| Sample | · • | | | | | |
| | a sample cooler received? | | Yes | | | |
| 8. If yes | , was cooler received in good condition? | | Yes | | | |
| 9. Was t | he sample(s) received intact, i.e., not broken? | | Yes | | | |
| 10. Wer | e custody/security seals present? | | No | | | |
| 11. If ye | es, were custody/security seals intact? | | NA | | | |
| 12. Was 1 | the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling | | Yes | | | |
| 13. If no | visible ice, record the temperature. Actual sample ter | nperature: <u>4°</u> | <u>C</u> | | | |
| Sample | Container | - | | | | |
| | aqueous VOC samples present? | | No | | | |
| 15. Are | VOC samples collected in VOA Vials? | | NA | | | |
| 16. Is th | e head space less than 6-8 mm (pea sized or less)? | | NA | | | |
| 17. Was | a trip blank (TB) included for VOC analyses? | | NA | | | |
| 18. Are | non-VOC samples collected in the correct containers? | | Yes | | | |
| 19. Is the | e appropriate volume/weight or number of sample containers | collected? | Yes | | | |
| Field La | abel | | | | | |
| 20. Wer | e field sample labels filled out with the minimum inform | ation: | | | | |
| | Sample ID? | | Yes | | | |
| | Date/Time Collected? Collectors name? | | Yes | <u> </u> | | |
| | Preservation | | Yes | | | |
| | s the COC or field labels indicate the samples were prese | rved? | No | | | |
| | sample(s) correctly preserved? | | NA | | | |
| | b filteration required and/or requested for dissolved meta | ls? | No | | | |
| Multiph | nase Sample Matrix | | | | | |
| | s the sample have more than one phase, i.e., multiphase? | | No | | | |
| | es, does the COC specify which phase(s) is to be analyzed | 1? | NA | | | |
| | tract Laboratory | | | | | |
| - | samples required to get sent to a subcontract laboratory? | | No | | | |
| | a subcontract laboratory specified by the client and if so | who? | NA | Subcontract Lab: NA | | |
| | | | | 2 | | |

Date



envirotech Inc.

Released to Imaging: 12/15/2021 10:07:26 AM

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

CONDITIONS

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

| Operator: | OGRID: |
|---------------------------|---|
| WPX Energy Permian, LLC | 246289 |
| Devon Energy - Regulatory | Action Number: |
| Oklahoma City, OK 73102 | 58299 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

| CONDITION | | |
|------------|---|----------------|
| Created By | Condition | Condition Date |
| chensley | Devon's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. | 12/15/2021 |

CONDITIONS

Action 58299