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

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

)

| Incident ID | NAPP2310247349 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

I Release Notification

Responsible Party

| Responsible Party: Hilcorp Energy | OGRID 372171 |
|--|---------------------------------|
| Contact Name: Kate Kaufman | Contact Telephone: 346-237-2275 |
| Contact email: kkaufman@hilcorp.comIncident # (assigned by OCD) nAPP2310247349 | |
| Contact mailing address: 1111 Travis St. Houston, TX 77471 | |

Location of Release Source

Latitude 36.497281_

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: Huerfano Unit HZMC #1H | Site Type: Well Site |
|------------------------------------|-----------------------------------|
| Date Release Discovered: 3/29/2023 | API# (if applicable) 30-045-35370 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|----------|
| М | 09 | 026N | 09W | San Juan |

Surface Owner: State Federal Tribal Private (Name:_____

Nature and Volume of Release

| Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) | | | |
|---|--|---|--|
| Crude Oil | Volume Released (bbls) 7.3 | Volume Recovered (bbls) 0 | |
| Produced Water | Volume Released (bbls) 2.0 | Volume Recovered (bbls) 2 | |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No | |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) 0 | |
| 🗌 Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) | |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) | |
| Unknown hydrocarbon | | | |

Cause of Release

During routine inspections, the operator identified a stuffing box on a pumping unit was leaking. All leaked fluids remained on location around the base of the pumping unit. Approximately 2 bbls of free liquids were recovered from the surface and containment around the pumping unit and transported offsite for disposal. The pumping unit was washed and impacted soils were recovered and sent off site for disposal. The unit was shut in and the stuffing box was repaired prior to being put back into service. Soil samples will be collected to determination remediation requirements.

Page 2

| 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 notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | | |
| N/A | | |
| | | |
| | | |

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:Kate Kaufman | Title:Environmental Specialist |
|----------------------------|--------------------------------|
| Signature: Kathyrutkaufm- | Date:4/12/2023 |
| email:kkaufman@hilcorp.com | Telephone:346-237-2275 |
| | |
| OCD Only | |
| Received by: | Date: |

Received by OCD: 8/10/2023 8:03:56 AM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

| | Page 3 of 4 |
|----------------|----------------|
| Incident ID | NAPP2310247349 |
| 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? | | |
|---|--------------------------|--|
| 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 ☐ 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? | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ⊠ No ☐ Yes ⊠ No | |
| Are the lateral extents of the release within 300 feet of a wetland? | | |
| 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 | |
| Die the release impact areas not on an exploration, development, production, of 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

Data table of soil contaminant concentration data

 \boxtimes Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

- Topographic/Aerial maps
- Laboratory data including chain of custody

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

| Received by OCD: 8/10/20. | 23 8:03:56 AM State of New Mexico | | Page 4 of 4 |
|--|--------------------------------------|---|---|
| | | Incident ID | NAPP2310247349 |
| Page 4 | Oil Conservation Division | District RP | |
| | | Facility ID | |
| | | Application ID | |
| regulations all operators are public health or the environm failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:Kathu Signature:Kathu email:kkaufman@hil | Kaufmanne Date: | s and perform corrective actions for rel es not relieve the operator of liability sh bundwater, surface water, human health ibility for compliance with any other fe Environmental Specialist | eases which may endanger nould their operations have a or the environment. In ederal, state, or local laws |
| OCD Only Received by: <u>Shelly We</u> | lls | Date: <u>8/10/2023</u> | |

Oil Conservation Division

| Incident ID | NAPP2310247349 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Page 5 of 48

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

| Closure Report Attachment Checklist: Each of the following items must be included in the closure report. | | | |
|---|--|--|--|
| A scaled site and sampling diagram as described in 19.15.29.11 NMAC | | | |
| Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) | | | |
| Laboratory analyses of final sampling (Note: appropriate ODC District office must be | notified 2 days prior to final sampling) | | |
| Description of remediation activities | | | |
| | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: _Kathryn H. Kaufman Title: _Environmental Specialist Signature: _ Kathryn H. Kaufman Date:8-10-2023 email: kkaufman@hilcorp.com Telephone: _346-237-2275 | | | |
| | | | |
| OCD Only | | | |
| Received by: Shelly Wells Date: 8/10/202 | 23 | | |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. | | | |
| Closure Approved by: <u>Nelson Velez</u> Date: 08/1 | 14/2023 | | |
| Printed Name: Nelson Velez Title:Envir | ronmental Specialist – Adv | | |
| | | | |

Executive Summary – Incident #nAPP2310831128

A Hilcorp operator identified a leaking stuffing box on a pumping unit at the Huerfano Unit HZMC #1H well site (API 30-045-35370) on 3/29/2023. The unit was shut in and the stuffing box was repaired prior to being put back into service. All leaked fluids remained on location around the base of the pumping unit. Approximately 2 bbls of free liquids were recovered from the surface and containment around the pumping unit and transported offsite for disposal. The pumping unit was washed and impacted soils were recovered and sent off site for disposal.

Samples were collected to delineate the extent of impacts on the pad. Based on delineation sample results, impacted soil was removed from the pad and transported offsite for disposal. Excavation area is shown in the field sample diagrams below.

Fourteen 5-point composite samples were collected on July 5, 2023, and July 28, 2023. Analytical results from this sampling event were below NMOCD action criteria noted in NMAC 19.15.29 Table 1. Sample results are included at the end of this summary report.

Scaled Site Map

Lat: 36.497281 Long: -107.907811

Huerfano Unit HZMC #1H Wellsite API: 30-045-35370





Ν

Released to Imaging.

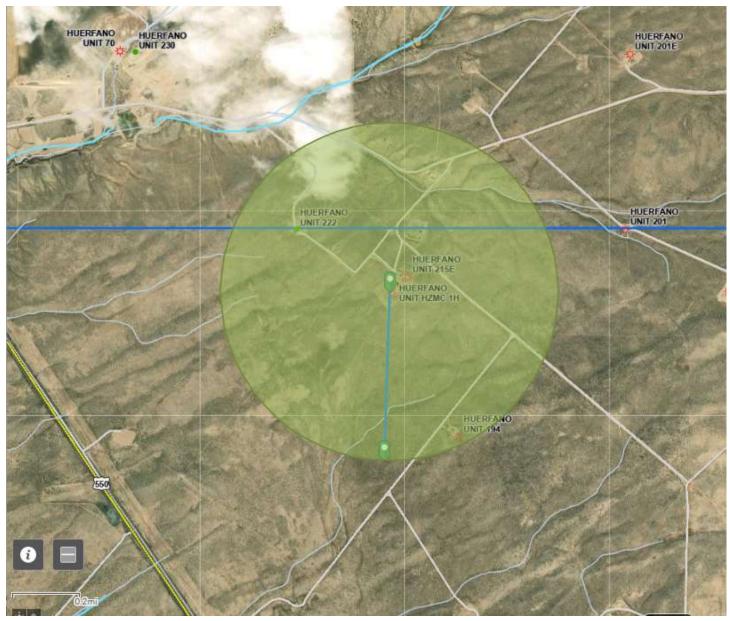
Depth to groundwater determination.

BGT Siting Criteria for Huerfano HZMC #1H; estimated depth to groundwater is approximately 125'.

Siting Criteria Compliance Demonstration & Hydro Geologic Analysis

The HUERFANOT UNIT HZMC 1H is not located in an unstable area. The location is not over a mine and is not on the side of a hill as indicated on the Mines, Mills and Quarries Map and Topographic Map. The location of the excavated pit material will not be located within 300' of any continuously flowing watercourse or 200' from any other watercourse as indicated on the Topographic Map. The location is not within a 100-year floodplain area as indicated on the FEMA Map. The Cathdic well data came from the Huerfano Unit 215e has an elevation of 6664' and groundwater depth of 120'. The subject well has an elevation of 6669' which is greater then the Huerfano Unit HZMC 1H therefore the groundwater is greater then 125'. There are no iWATERS data points located in the area as indicated on the TOPO Map. The hydro geologic analysis indicates the groundwater depth and the Nacimiento formation will create a stable area for this new location.

Determination of water sources and significant watercourses within ½ mile of the lateral extent of the release



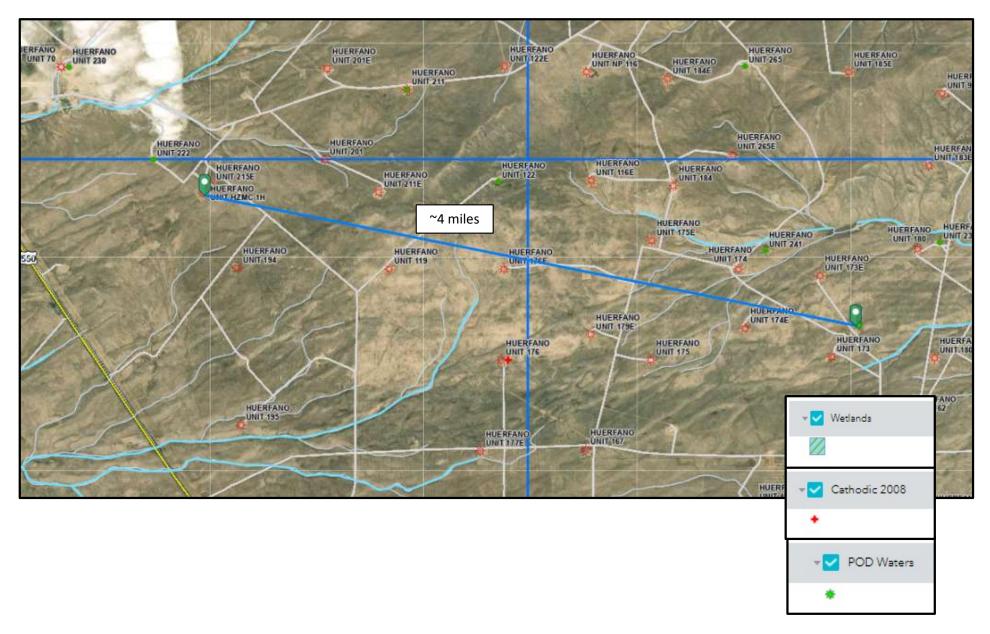




Note 1: Release point is not within 300 ft of a continuously flowing watercourse or other significant water course.

Note 2: The lateral extents of the release point are not within 300 feet of a mapped wetland. *Released to Imaging: 8/14/2023 3:40:31 PM*

Distance to mapped water wells.



Note: The lateral extents of the release point are not shown to be within 500 ft of a spring or domestic freshwater well used by less than 5 households (or stock watering) or within 1,000 ft of any freshwater water well or spring.

Released to Imaging: 8/14/2023 3:40:31 PM

Data table of soil contaminant concentrations

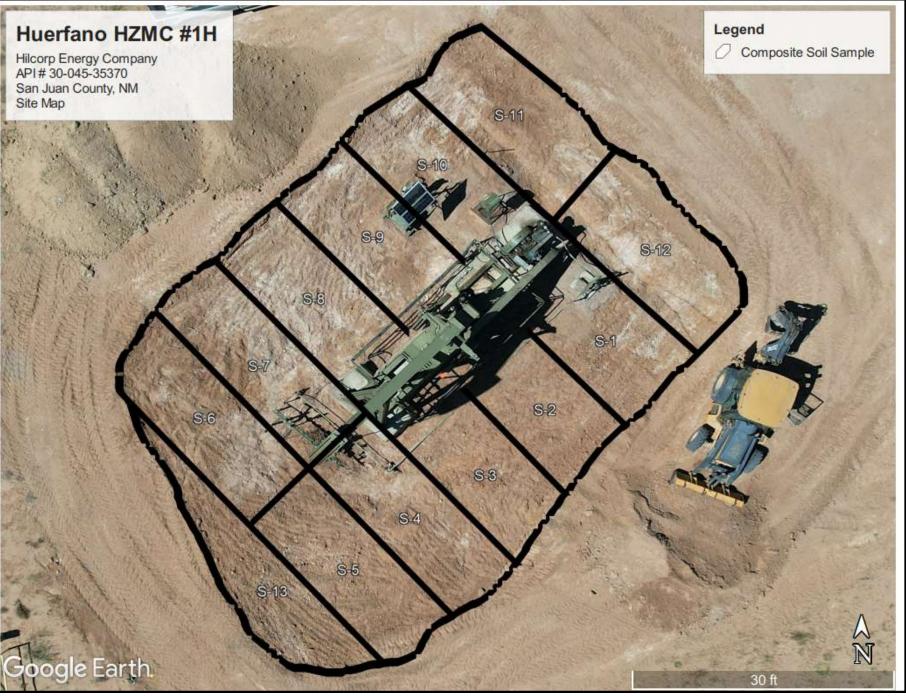
| | | | | | | Huerfano H | ZMC 1H La | poratory Res | ults | | | |
|--------------------|-----------------|---------------------|--------------------------|--------------------------|--------------------------|----------------------|-----------------------------------|--------------------|--------------------|-------------------------|----------------------------|-----------------------|
| Sample Name | Sample Date | Chloride (mg/kg) | TPH as DRO (mg/kg) | TPH as GRO (mg/kg) | TPH as MRO (mg/kg) | Total TPH (mg/kg) | TPH as GRO + DRO (mg/kg) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylene (mg/kg) | Total BTEX (mg/kg) |
| 19.15.29 Table 1 C | losure Criteria | 20,000 | <u> </u> | - | - | 2,500 | 1,000 | 10 | - | - | - | 50 |
| S-1 1' | 7/5/2023 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| S-2 1' | 7/5/2023 | ND | 60 | ND | ND | 60 | 60 | ND | ND | ND | ND | ND |
| S-3 1' | 7/5/2023 | ND | 45 | ND | ND | 45 | 45 | ND | ND | ND | ND | ND |
| S-4 1' | 7/5/2023 | ND | 62 | ND | ND | 62 | 62 | ND | ND | ND | ND | ND |
| S-5 1' | 7/5/2023 | ND | 340 | ND | 220 | 560 | 340 | ND | ND | ND | ND | ND |
| S-6 1' | 7/5/2023 | ND | 53 | ND | ND | 53 | 53 | ND | ND | ND | ND | ND |
| S-7 1' | 7/5/2023 | ND | 2200 | 230 | 500 | 2930 | 2430 | ND | ND | 1.7 | 8.7 | 10.4 |
| S-8 1' | 7/5/2023 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| S-9 1' | 7/5/2023 | ND | 47 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| S-10 1' | 7/5/2023 | ND | 150 | ND | 77 | 227 | 150 | ND | ND | ND | ND | ND |
| S-11 1' | 7/5/2023 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| S-12 1' | 7/5/2023 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| S-13 1' | 7/5/2023 | ND | 61 | ND | ND | 61 | 61 | ND | ND | ND | ND | ND |
| S-7 2' | 7/28/2023 | NA | 20 | ND | ND | 20 | 20 | NA | NA | NA | NA | NA |

NA = Not analyzed.

ND = Not detected

Confirmation samples were collected on 7/5/2023 and 7/28/2023 by Hilcorp personnel and all results were below NMOCD 19.15.29.12.D Table 1 closure criteria. Impacted soil at Sample Point 7 (1' BGS) was removed for disposal. Sample results subsequently collected on 7/28/2023 at 2' BGS were clean.

Field Sample Diagram

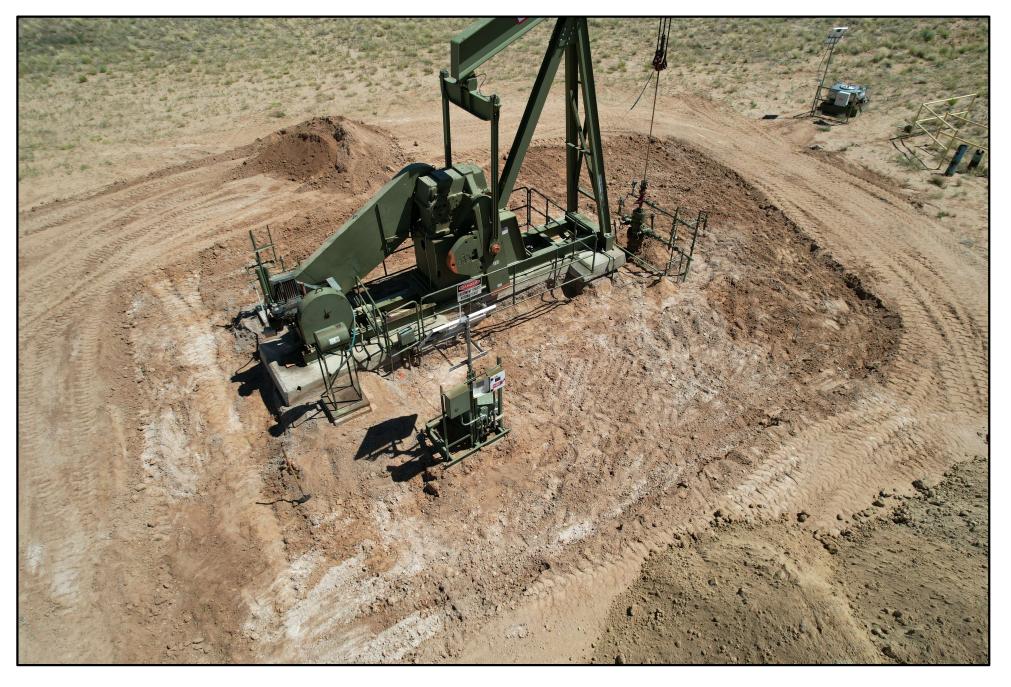


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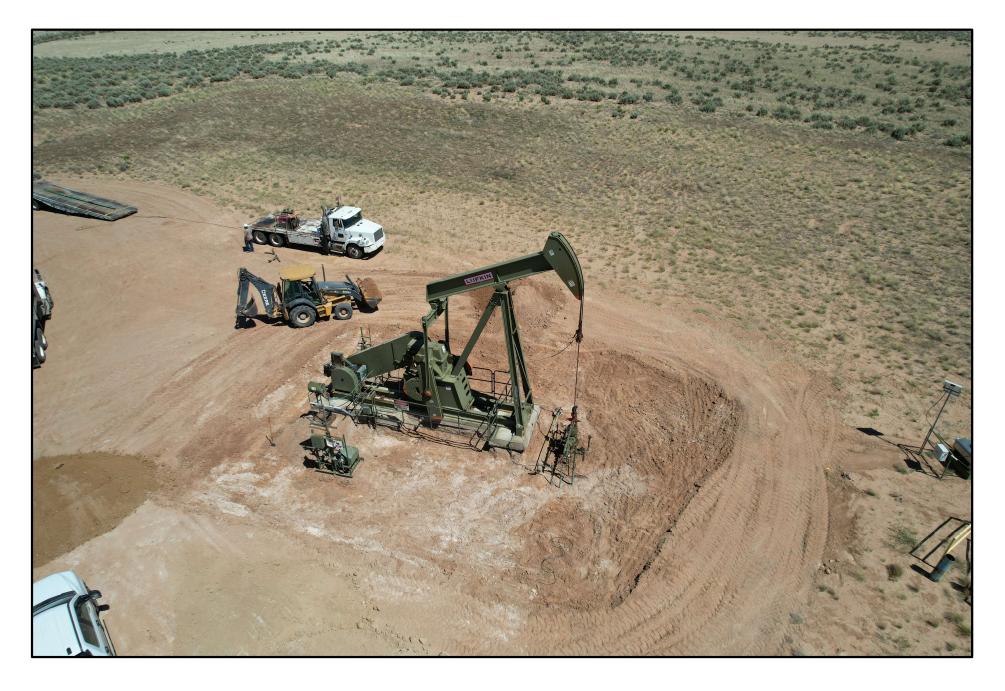
Site Photos



Site Photos

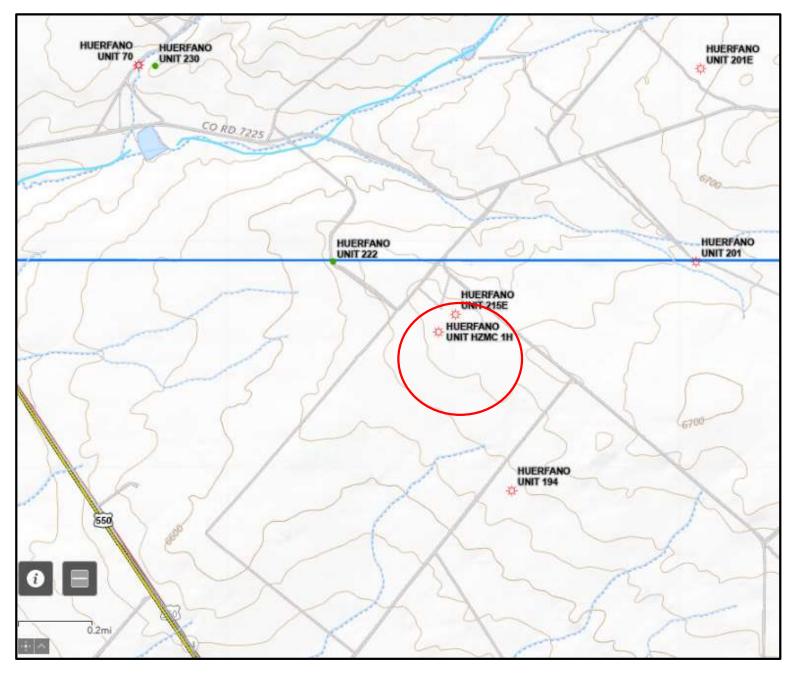


Site Photos



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Topographic Map



Analytical Data, Sample Collected 7/5/2023 and 7/28/2023.

See attached Lab Reports.



July 17, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX:

RE: Huerfano HZMC 1H

OrderNo.: 2307077

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 13 sample(s) on 7/6/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-1 1' Collection Date: 7/5/2023 11:55:00 AM Received Date: 7/6/2023 6:15:00 AM

| Lab ID: 2307077-001 | Matrix: SOIL Received Date: 7/6/2023 6:15 | | | | 23 6:15:00 AM |
|----------------------------------|---|----------|----------|----|----------------------|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 7/7/2023 3:32:27 PM |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/7/2023 3:32:27 PM |
| Surr: DNOP | 91.3 | 69-147 | %Rec | 1 | 7/7/2023 3:32:27 PM |
| EPA METHOD 8015D: GASOLINE RANG | E | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/10/2023 6:38:00 PM |
| Surr: BFB | 95.4 | 15-244 | %Rec | 1 | 7/10/2023 6:38:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/10/2023 6:38:00 PM |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/10/2023 6:38:00 PM |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/10/2023 6:38:00 PM |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 7/10/2023 6:38:00 PM |
| Surr: 4-Bromofluorobenzene | 95.0 | 39.1-146 | %Rec | 1 | 7/10/2023 6:38:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JTT |
| Chloride | ND | 60 | mg/Kg | 20 | 7/7/2023 2:12:48 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 1 of 20

*

Ethylbenzene

Xylenes, Total

Chloride

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307077

Date Reported: 7/17/2023

7/10/2023 7:00:00 PM

7/10/2023 7:00:00 PM

7/10/2023 7:00:00 PM

7/7/2023 2:49:50 PM

Analyst: JTT

| CLIENT: HILCORP ENERGY | Client Sample ID: S-2 1' | | | | | | | |
|---------------------------------|--------------------------|----------------|-----------|--------|----------------------|--|--|--|
| Project: Huerfano HZMC 1H | | 23 11:50:00 AM | | | | | | |
| Lab ID: 2307077-002 | Matrix: SOIL | Recei | ved Date: | 7/6/20 | 23 6:15:00 AM | | | |
| Analyses | Result | RL Qua | l Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS | | | | Analyst: DGH | | | |
| Diesel Range Organics (DRO) | 60 | 9.4 | mg/Kg | 1 | 7/7/2023 3:51:34 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 7/7/2023 3:51:34 PM | | | |
| Surr: DNOP | 93.0 | 69-147 | %Rec | 1 | 7/7/2023 3:51:34 PM | | | |
| EPA METHOD 8015D: GASOLINE RANG | θE | | | | Analyst: KMN | | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/10/2023 7:00:00 PM | | | |
| Surr: BFB | 96.3 | 15-244 | %Rec | 1 | 7/10/2023 7:00:00 PM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 7/10/2023 7:00:00 PM | | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/10/2023 7:00:00 PM | | | |

ND

ND

93.8

ND

0.047

0.094

60

39.1-146

mg/Kg

mg/Kg

%Rec

mg/Kg

1

1

1

20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 20

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2307077-003

Huerfano HZMC 1H

Project:

Lab ID:

Analyses

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307077

Date Reported: 7/17/2023

| | Client Sample ID: | : S-3 1' | |
|----------------|-------------------------|----------|----------------|
| | Collection Date: | 7/5/20 | 23 11:45:00 AM |
| Matrix: SOIL | Received Date: | 7/6/20 | 23 6:15:00 AM |
| Result | RL Qual Units | DF | Date Analyzed |
| RANGE ORGANICS | | | Analyst: D |
| - | | | |

| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst: DGH |
|--------------------------------------|--------|----------|-------|----|----------------------|
| Diesel Range Organics (DRO) | 45 | 9.2 | mg/Kg | 1 | 7/7/2023 4:10:44 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 7/7/2023 4:10:44 PM |
| Surr: DNOP | 94.8 | 69-147 | %Rec | 1 | 7/7/2023 4:10:44 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/10/2023 7:22:00 PM |
| Surr: BFB | 96.7 | 15-244 | %Rec | 1 | 7/10/2023 7:22:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.023 | mg/Kg | 1 | 7/10/2023 7:22:00 PM |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/10/2023 7:22:00 PM |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 7/10/2023 7:22:00 PM |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 7/10/2023 7:22:00 PM |
| Surr: 4-Bromofluorobenzene | 95.4 | 39.1-146 | %Rec | 1 | 7/10/2023 7:22:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JTT |
| Chloride | ND | 60 | mg/Kg | 20 | 7/7/2023 3:02:11 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 20

2307077-004

Huerfano HZMC 1H

Project:

Lab ID:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2307077 Date Reported: 7/17/2023

| Client Sample ID: S-4 1' | |
|---------------------------------------|--|
| Collection Date: 7/5/2023 11:10:00 AM | |
| Received Date: 7/6/2023 6:15:00 AM | |

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 62 | 9.4 | mg/Kg | 1 | 7/7/2023 4:29:23 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 7/7/2023 4:29:23 PM |
| Surr: DNOP | 92.7 | 69-147 | %Rec | 1 | 7/7/2023 4:29:23 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 7/10/2023 7:43:00 PM |
| Surr: BFB | 93.8 | 15-244 | %Rec | 1 | 7/10/2023 7:43:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.025 | mg/Kg | 1 | 7/10/2023 7:43:00 PM |
| Toluene | ND | 0.049 | mg/Kg | 1 | 7/10/2023 7:43:00 PM |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 7/10/2023 7:43:00 PM |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 7/10/2023 7:43:00 PM |
| Surr: 4-Bromofluorobenzene | 95.1 | 39.1-146 | %Rec | 1 | 7/10/2023 7:43:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JTT |
| Chloride | ND | 60 | mg/Kg | 20 | 7/7/2023 3:39:13 PM |
| | | | | | |

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 20

Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023 Client Sample ID: S-5 1' Collection Date: 7/5/2023 11:00:00 AM

Lab ID: 2307077-005 Matrix: SOIL Received Date: 7/6/2023 6:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: PRD EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 340 9.3 mg/Kg 1 7/12/2023 7:09:03 PM Motor Oil Range Organics (MRO) 220 46 mg/Kg 1 7/12/2023 7:09:03 PM Surr: DNOP 89.0 69-147 %Rec 1 7/12/2023 7:09:03 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: KMN Gasoline Range Organics (GRO) ND 7/10/2023 9:54:00 PM 4.9 mg/Kg 1 Surr: BFB 92.9 15-244 %Rec 1 7/10/2023 9:54:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: KMN Benzene ND 7/10/2023 9:54:00 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/10/2023 9:54:00 PM Ethylbenzene ND 0.049 mg/Kg 1 7/10/2023 9:54:00 PM Xylenes, Total ND 0.099 mg/Kg 1 7/10/2023 9:54:00 PM Surr: 4-Bromofluorobenzene 93.2 39.1-146 %Rec 1 7/10/2023 9:54:00 PM **EPA METHOD 300.0: ANIONS** Analyst: RBC mg/Kg Chloride 7/10/2023 2:35:36 PM ND 60 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 5 of 20

Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-6 1' Collection Date: 7/5/2023 2:10:00 PM **Received Date:** 7/6/2023 6:15:00 AM

| Lab ID: 2307077-006 | Matrix: SOIL | Rece | Received Date: 7/6/2023 6:15:00 AM | | | | |
|---------------------------------|--------------|----------|---|----|-----------------------|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS | | | | Analyst: PRD | | |
| Diesel Range Organics (DRO) | 53 | 10 | mg/Kg | 1 | 7/12/2023 9:12:59 PM | | |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/12/2023 9:12:59 PM | | |
| Surr: DNOP | 90.0 | 69-147 | %Rec | 1 | 7/12/2023 9:12:59 PM | | |
| EPA METHOD 8015D: GASOLINE RAN | IGE | | | | Analyst: KMN | | |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 7/10/2023 11:00:00 PM | | |
| Surr: BFB | 99.7 | 15-244 | %Rec | 1 | 7/10/2023 11:00:00 PM | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/10/2023 11:00:00 PM | | |
| Toluene | ND | 0.049 | mg/Kg | 1 | 7/10/2023 11:00:00 PM | | |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 7/10/2023 11:00:00 PM | | |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 7/10/2023 11:00:00 PM | | |
| Surr: 4-Bromofluorobenzene | 94.9 | 39.1-146 | %Rec | 1 | 7/10/2023 11:00:00 PM | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/10/2023 2:48:00 PM | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 20

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2307077-007

Huerfano HZMC 1H

Project:

Lab ID:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-7 1' Collection Date: 7/5/2023 2:20:00 PM

Received Date: 7/6/2023 6:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | 2200 | 96 | | mg/Kg | 10 | 7/12/2023 9:54:24 PM |
| Motor Oil Range Organics (MRO) | 500 | 480 | | mg/Kg | 10 | 7/12/2023 9:54:24 PM |
| Surr: DNOP | 0 | 69-147 | S | %Rec | 10 | 7/12/2023 9:54:24 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | 230 | 4.8 | | mg/Kg | 1 | 7/11/2023 12:05:00 AM |
| Surr: BFB | 603 | 15-244 | S | %Rec | 1 | 7/11/2023 12:05:00 AM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: KMN |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/11/2023 12:05:00 AM |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/11/2023 12:05:00 AM |
| Ethylbenzene | 1.7 | 0.048 | | mg/Kg | 1 | 7/11/2023 12:05:00 AM |
| Xylenes, Total | 8.7 | 0.097 | | mg/Kg | 1 | 7/11/2023 12:05:00 AM |
| Surr: 4-Bromofluorobenzene | 217 | 39.1-146 | S | %Rec | 1 | 7/11/2023 12:05:00 AM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: RBC |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/10/2023 3:00:25 PM |

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 7 of 20

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Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-8 1' Collection Date: 7/5/2023 2:25:00 PM wod Data, 7/6/2022 6:15:00 AM ъ

| Lab ID: 2307077-008 | Matrix: SOIL | Rece | 23 6:15:00 AM | | |
|--------------------------------|--------------|----------|---------------|----|-----------------------|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 7/12/2023 10:05:19 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/12/2023 10:05:19 PM |
| Surr: DNOP | 89.8 | 69-147 | %Rec | 1 | 7/12/2023 10:05:19 PM |
| EPA METHOD 8015D: GASOLINE R | ANGE | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/11/2023 12:27:00 AM |
| Surr: BFB | 121 | 15-244 | %Rec | 1 | 7/11/2023 12:27:00 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/11/2023 12:27:00 AM |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/11/2023 12:27:00 AM |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/11/2023 12:27:00 AM |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 7/11/2023 12:27:00 AM |
| Surr: 4-Bromofluorobenzene | 98.2 | 39.1-146 | %Rec | 1 | 7/11/2023 12:27:00 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC |
| Chloride | ND | 60 | mg/Kg | 20 | 7/10/2023 3:12:50 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

Page 8 of 20

Project: Huerfano HZMC 1H

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023 Client Sample ID: S-9 1' Collection Date: 7/5/2023 2:30:00 PM

| Lab ID: 2307077-009 | Matrix: SOIL | Reco | Received Date: 7/6/2023 6:15:00 AM | | | | | |
|----------------------------------|--------------|----------|---|----|-----------------------|--|--|--|
| Analyses | Result | RL Qu | ual Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: PRD | | | |
| Diesel Range Organics (DRO) | 47 | 9.8 | mg/Kg | 1 | 7/12/2023 10:16:16 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 7/12/2023 10:16:16 PM | | | |
| Surr: DNOP | 88.4 | 69-147 | %Rec | 1 | 7/12/2023 10:16:16 PM | | | |
| EPA METHOD 8015D: GASOLINE RANG | E | | | | Analyst: KMN | | | |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 7/11/2023 12:49:00 AM | | | |
| Surr: BFB | 101 | 15-244 | %Rec | 1 | 7/11/2023 12:49:00 AM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN | | | |
| Benzene | ND | 0.025 | mg/Kg | 1 | 7/11/2023 12:49:00 AM | | | |
| Toluene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 12:49:00 AM | | | |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 12:49:00 AM | | | |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 7/11/2023 12:49:00 AM | | | |
| Surr: 4-Bromofluorobenzene | 93.5 | 39.1-146 | %Rec | 1 | 7/11/2023 12:49:00 AM | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/11/2023 7:33:54 PM | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 20

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023
Client Sample ID: S-10 1'

Project: Huerfano HZMC 1H Collection Date: 7/5/2023 2:35:00 PM Lab ID: 2307077-010 Matrix: SOIL Received Date: 7/6/2023 6:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: PRD EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 150 9.5 mg/Kg 1 7/12/2023 10:27:10 PM Motor Oil Range Organics (MRO) 77 47 mg/Kg 1 7/12/2023 10:27:10 PM Surr: DNOP 91.4 69-147 %Rec 1 7/12/2023 10:27:10 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: KMN Gasoline Range Organics (GRO) ND 7/11/2023 1:10:00 AM 4.9 mg/Kg 1 Surr: BFB 95.6 15-244 %Rec 1 7/11/2023 1:10:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: KMN Benzene ND 7/11/2023 1:10:00 AM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/11/2023 1:10:00 AM Ethylbenzene ND 0.049 mg/Kg 1 7/11/2023 1:10:00 AM Xylenes, Total ND 0.098 mg/Kg 1 7/11/2023 1:10:00 AM Surr: 4-Bromofluorobenzene 92.9 39.1-146 %Rec 1 7/11/2023 1:10:00 AM **EPA METHOD 300.0: ANIONS** Analyst: RBC mg/Kg Chloride 7/11/2023 7:46:19 PM ND 60 20

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 10 of 20

Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-11 1' Collection Date: 7/5/2023 3:10:00 PM Received Date: 7/6/2023 6:15:00 AM

| Lab ID: 2307077-011 | Matrix: SOIL | Matrix: SOIL Received Date: 7/6/2023 6 | | | |
|---------------------------------|--------------|--|----------|----|-----------------------|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 7/12/2023 10:38:02 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 7/12/2023 10:38:02 PM |
| Surr: DNOP | 87.4 | 69-147 | %Rec | 1 | 7/12/2023 10:38:02 PM |
| EPA METHOD 8015D: GASOLINE RANG | GE | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 7/11/2023 1:32:00 AM |
| Surr: BFB | 93.4 | 15-244 | %Rec | 1 | 7/11/2023 1:32:00 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.025 | mg/Kg | 1 | 7/11/2023 1:32:00 AM |
| Toluene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 1:32:00 AM |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 1:32:00 AM |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 7/11/2023 1:32:00 AM |
| Surr: 4-Bromofluorobenzene | 94.0 | 39.1-146 | %Rec | 1 | 7/11/2023 1:32:00 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC |
| Chloride | ND | 60 | mg/Kg | 20 | 7/11/2023 8:48:23 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RL Reporting Limit

RL Re

Page 11 of 20

2307077-012

Huerfano HZMC 1H

Project:

Lab ID:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-12 1' Collection Date: 7/5/2023 3:15:00 PM Received Date: 7/6/2023 6:15:00 AM

| Analyses | Result | RL Qu | ual Units | DF | Date Analyzed |
|-------------------------------------|--------|----------|-----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: PRD |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 7/12/2023 10:48:53 PM |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 7/12/2023 10:48:53 PM |
| Surr: DNOP | 86.9 | 69-147 | %Rec | 1 | 7/12/2023 10:48:53 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: KMN |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/11/2023 1:54:00 AM |
| Surr: BFB | 94.2 | 15-244 | %Rec | 1 | 7/11/2023 1:54:00 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/11/2023 1:54:00 AM |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/11/2023 1:54:00 AM |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/11/2023 1:54:00 AM |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 7/11/2023 1:54:00 AM |
| Surr: 4-Bromofluorobenzene | 94.4 | 39.1-146 | %Rec | 1 | 7/11/2023 1:54:00 AM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC |
| Chloride | ND | 60 | mg/Kg | 20 | 7/11/2023 9:00:47 PM |
| | | | | | |

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 12 of 20

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Huerfano HZMC 1H

Project:

Analytical Report Lab Order 2307077

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/17/2023

Client Sample ID: S-13 1' Collection Date: 7/5/2023 12:50:00 PM **Received Date:** 7/6/2023 6:15:00 AM

| Lab ID: 2307077-013 | Matrix: SOIL | Received Date: 7/6/2023 6:15:00 AM | | | | | | |
|----------------------------------|--------------|------------------------------------|----------|----|-----------------------|--|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | EORGANICS | | | | Analyst: PRD | | | |
| Diesel Range Organics (DRO) | 61 | 9.9 | mg/Kg | 1 | 7/12/2023 10:59:46 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/12/2023 10:59:46 PM | | | |
| Surr: DNOP | 98.9 | 69-147 | %Rec | 1 | 7/12/2023 10:59:46 PM | | | |
| EPA METHOD 8015D: GASOLINE RANG | Ε | | | | Analyst: KMN | | | |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 7/11/2023 2:15:00 AM | | | |
| Surr: BFB | 103 | 15-244 | %Rec | 1 | 7/11/2023 2:15:00 AM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: KMN | | | |
| Benzene | ND | 0.025 | mg/Kg | 1 | 7/11/2023 2:15:00 AM | | | |
| Toluene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 2:15:00 AM | | | |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 7/11/2023 2:15:00 AM | | | |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 7/11/2023 2:15:00 AM | | | |
| Surr: 4-Bromofluorobenzene | 94.1 | 39.1-146 | %Rec | 1 | 7/11/2023 2:15:00 AM | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: RBC | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/11/2023 9:13:11 PM | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

Page 13 of 20

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | | RP ENERGY no HZMC 1H | | | |
|---------------------|-----------|--------------------------|---------------------------|---------------------|---------------|
| Sample ID: | MB-76052 | SampType: MBLK | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | PBS | Batch ID: 76052 | RunNo: 98004 | | |
| Prep Date: | 7/7/2023 | Analysis Date: 7/7/2023 | SeqNo: 3566373 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | ND 1.5 | | | |
| Sample ID: | LCS-76052 | SampType: LCS | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | LCSS | Batch ID: 76052 | RunNo: 98004 | | |
| Prep Date: | 7/7/2023 | Analysis Date: 7/7/2023 | SeqNo: 3566374 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | 14 1.5 15.00 | 0 91.3 90 | 110 | |
| Sample ID: | MB-76077 | SampType: MBLK | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | PBS | Batch ID: 76077 | RunNo: 98079 | | |
| Prep Date: | 7/10/2023 | Analysis Date: 7/10/2023 | SeqNo: 3569027 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | ND 1.5 | | | |
| Sample ID: | LCS-76077 | SampType: LCS | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | LCSS | Batch ID: 76077 | RunNo: 98079 | | |
| Prep Date: | 7/10/2023 | Analysis Date: 7/10/2023 | SeqNo: 3569028 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | 14 1.5 15.00 | 0 91.7 90 | 110 | |
| Sample ID: | MB-76110 | SampType: MBLK | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | PBS | Batch ID: 76110 | RunNo: 98114 | | |
| Prep Date: | 7/11/2023 | Analysis Date: 7/11/2023 | SeqNo: 3570295 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | ND 1.5 | | | |
| Sample ID: | LCS-76110 | SampType: LCS | TestCode: EPA Method | 300.0: Anions | |
| Client ID: | LCSS | Batch ID: 76110 | RunNo: 98114 | | |
| Prep Date: | 7/11/2023 | Analysis Date: 7/11/2023 | SeqNo: 3570296 | Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | | 14 1.5 15.00 | 0 91.3 90 | 110 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 20

2307077

17-Jul-23

QC SUMMARY REPORT Ha

| | Page 33 | of 48 |
|--|---------|-------|
| | | |
| | | |

| Iall Environmental Analysis Laboratory, Inc. | 17-Jul-23 |
|--|-----------|

| Client: | HILCORP | P ENERG | Y | | | | | | | | |
|--|---|---|---|--|--|--|--|---|-----------------------------|----------------------|------|
| Project: | Huerfano | HZMC 1 | H | | | | | | | | |
| Sample ID: | 2307077-001AMS | SampT | Гуре: МS | 6 | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | S-1 1' | Batch ID: 76038 | | RunNo: 98033 | | | | | | | |
| Prep Date: | 7/6/2023 | Analysis D | Date: 7/ | 7/2023 | S | SeqNo: 35 | 567146 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range | Organics (DRO) | 41 | 9.3 | 46.38 | 0 | 88.4 | 54.2 | 135 | | | |
| Surr: DNOP | | 4.3 | | 4.638 | | 93.2 | 69 | 147 | | | |
| Sample ID: | 2307077-001AMSD | Samp | Гуре: МS | SD. | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | S-1 1' | Batcl | h ID: 760 | 038 | F | RunNo: 98 | 3033 | | | | |
| Prep Date: | 7/6/2023 | Analysis E | Date: 7/ | 7/2023 | S | SeqNo: 35 | 567147 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | 38 | 9.7 | 48.36 | 0 | 78.2 | 54.2 | 135 | 8.00 | 29.2 | |
| Surr: DNOP | | 4.6 | | 4.836 | | 96.0 | 69 | 147 | 0 | 0 | |
| Sample ID: | MB-76038 | SampT | Гуре: МЕ | BLK | Tes | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | |
| Client ID: | PBS | Batcl | h ID: 760 | 038 | RunNo: 98033 | | | | | | |
| Prep Date: | 7/6/2023 | Analysis D | Date: 7/ | 7/2023 | S | SeqNo: 35 | 567169 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | ND | 10 | | | | | | | | |
| - | ge Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | | | | | | | | | | |
| Sun. DINOP | | 9.7 | | 10.00 | | 97.2 | 69 | 147 | | | |
| | LCS-76038 | - | Гуре: LC | | Tes | - | | 147 8015M/D: Die | sel Range | Organics | |
| Sample ID: | | SampT | Гуре: LC h ID: 76(| S | | - | PA Method | | sel Range | Organics | |
| Sample ID: Client ID: | LCS-76038 | SampT | h ID: 760 | S 038 | F | tCode: EF | PA Method 8033 | | • | Organics | |
| | LCS-76038 LCSS | Samp1 Batcl | h ID: 760 | S 038 7/2023 | F | tCode: EF | PA Method 8033 | 8015M/D: Die | • | Organics RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte | LCS-76038 LCSS | Samp Batcl Analysis I | h ID: 760 Date: 7/ | S 038 7/2023 | F S | tCode: EF RunNo: 98 SeqNo: 35 | PA Method 3033 567170 | 8015M/D: Die Units: mg/K | g | - | Qual |
| Sample ID: Client ID: Prep Date: Analyte | LCS-76038 LCSS 7/6/2023 Organics (DRO) | SampT Batch Analysis D Result | h ID: 760 Date: 7/ PQL | S 038 7/2023 SPK value | F S SPK Ref Val | tCode: EF RunNo: 98 SeqNo: 35 %REC | PA Method 3033 567170 LowLimit | 8015M/D: Die Units: mg/K HighLimit | g | - | Qual |
| Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP | LCS-76038 LCSS 7/6/2023 Organics (DRO) | SampT Batcl Analysis I Result 47 4.6 | h ID: 760 Date: 7/ PQL | S 038 7/2023 SPK value 50.00 5.000 | F S SPK Ref Val 0 | tCode: EF RunNo: 98 SeqNo: 35 %REC 93.1 92.7 | PA Method 3033 567170 LowLimit 61.9 69 | 8015M/D: Die Units: mg/K HighLimit 130 | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: | LCS-76038 LCSS 7/6/2023 Organics (DRO) | SampT Batcl Analysis I Result 47 4.6 SampT | h ID: 760 Date: 7/ PQL 10 | S 038 7/2023 SPK value 50.00 5.000 | F S SPK Ref Val 0 Tes | tCode: EF RunNo: 98 SeqNo: 35 %REC 93.1 92.7 | PA Method 3033 567170 LowLimit 61.9 69 PA Method | 8015M/D: Die Units: mg/K HighLimit 130 147 | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: Client ID: | LCS-76038 LCSS 7/6/2023 Organics (DRO) 2307077-005AMS S-5 1' | SampT Batcl Analysis I Result 47 4.6 SampT | h ID: 760 Date: 7 / PQL 10 Fype: MS h ID: 76 | S 038 7/2023 SPK value 50.00 5.000 5.114 | F SPK Ref Val 0 Tes F | tCode: EF RunNo: 98 SeqNo: 35 %REC 93.1 92.7 tCode: EF | PA Method 3033 567170 LowLimit 61.9 69 PA Method 3153 | 8015M/D: Die Units: mg/K HighLimit 130 147 | g %RPD sel Range | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP | LCS-76038 LCSS 7/6/2023 Organics (DRO) 2307077-005AMS S-5 1' | Samp Batcl Analysis I Result 47 4.6 Samp Batcl | h ID: 760 Date: 7 / PQL 10 Fype: MS h ID: 76 | S 038 7/2023 SPK value 50.00 5.000 5.000 5.114 12/2023 | F SPK Ref Val 0 Tes F | tCode: EF RunNo: 98 SeqNo: 35 %REC 93.1 92.7 tCode: EF RunNo: 98 | PA Method 3033 567170 LowLimit 61.9 69 PA Method 3153 | 8015M/D: Die Units: mg/K HighLimit 130 147 8015M/D: Die | g %RPD sel Range | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Diesel Range (Surr: DNOP Sample ID: Client ID: Prep Date: Analyte | LCS-76038 LCSS 7/6/2023 Organics (DRO) 2307077-005AMS S-5 1' | SampT Batcl Analysis I Result 47 4.6 SampT Batcl Analysis I | h ID: 76(Date: 7/ PQL 10 Type: MS h ID: 76 Date: 7/ | S 038 7/2023 SPK value 50.00 5.000 5.000 5.114 12/2023 | F SPK Ref Val 0 Tes F S | tCode: EF RunNo: 98 SeqNo: 35 %REC 93.1 92.7 tCode: EF RunNo: 98 SeqNo: 35 | PA Method 3033 567170 LowLimit 61.9 69 PA Method 3153 571459 | 8015M/D: Die Units: mg/K HighLimit 130 147 8015M/D: Die Units: mg/K | g %RPD sel Range g | RPDLimit Organics | |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 15 of 20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | HILCORP Huerfano | | | | | | | | | | |
|---------------------|---------------------|-------------|------------------|-----------|--------------|------------------|-----------|--------------|-----------|----------|------|
| Sample ID: | 2307077-005AMSD | SampTy | /pe: MS | D | Tes | tCode: EF | A Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | S-5 1' | Batch | ID: 76 1 | 114 | F | RunNo: 98 | 3153 | | | | |
| Prep Date: | 7/11/2023 | Analysis Da | ate: 7/ ′ | 12/2023 | S | SeqNo: 35 | 571460 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range C | Organics (DRO) | 290 | 9.6 | 47.85 | 336.8 | -105 | 54.2 | 135 | 3.42 | 29.2 | S |
| Surr: DNOP | | 4.6 | | 4.785 | | 96.9 | 69 | 147 | 0 | 0 | |
| Sample ID: | LCS-76114 | SampTy | /pe: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | LCSS | Batch | ID: 76 1 | 114 | RunNo: 98153 | | | | | | |
| Prep Date: | 7/11/2023 | Analysis Da | ate: 7/ ′ | 12/2023 | S | SeqNo: 35 | 571520 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range C | Organics (DRO) | 51 | 10 | 50.00 | 0 | 102 | 61.9 | 130 | | | |
| Surr: DNOP | | 4.6 | | 5.000 | | 93.0 | 69 | 147 | | | |
| Sample ID: | MB-76114 | SampTy | /pe: ME | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | PBS | Batch | ID: 76 1 | 114 | F | RunNo: 98 | 3153 | | | | |
| Prep Date: | 7/11/2023 | Analysis Da | ate: 7/ ' | 12/2023 | S | SeqNo: 35 | 571523 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range C | Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Rang | e Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 9.1 | | 10.00 | | 91.3 | 69 | 147 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 20

2307077

17-Jul-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: HILCOR | P ENERGY | | | |
|--|----------------------------|---------------------------|--------------------------------|------|
| Project: Huerfano | HZMC 1H | | | |
| Sample ID: Ics-76031 | SampType: LCS | TestCode: EDA Mathad | 8015D: Gasoline Range | |
| Client ID: LCSS | Batch ID: 76031 | RunNo: 98074 | ourse. Gasonne Kange | |
| Prep Date: 7/6/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568737 | Units: mg/Kg | |
| Analyte | | SPK Ref Val %REC LowLimit | | Qual |
| Gasoline Range Organics (GRO) | 22 5.0 25.00 | 0 88.2 70 | HighLimit %RPD RPDLimit 130 | Quai |
| Surr: BFB | 2100 1000 | 206 15 | 244 | |
| Sample ID: mb-76031 | SampType: MBLK | TestCode: EPA Method | 8015D: Gasoline Range | |
| Client ID: PBS | Batch ID: 76031 | RunNo: 98074 | | |
| Prep Date: 7/6/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568738 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND 5.0 | | | |
| Surr: BFB | 960 1000 | 95.7 15 | 244 | |
| Sample ID: Ics-76060 | SampType: LCS | TestCode: EPA Method | 8015D: Gasoline Range | |
| Client ID: LCSS | Batch ID: 76060 | RunNo: 98074 | | |
| Prep Date: 7/7/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568761 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 20 5.0 25.00 | 0 81.8 70 | 130 | |
| Surr: BFB | 2000 1000 | 199 15 | 244 | |
| Sample ID: mb-76060 | SampType: MBLK | TestCode: EPA Method | 8015D: Gasoline Range | |
| Client ID: PBS | Batch ID: 76060 | RunNo: 98074 | | |
| Prep Date: 7/7/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568762 | Units: mg/Kg | |
| Analyte | | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit | Qual |
| Gasoline Range Organics (GRO) Surr: BFB | ND 5.0 940 1000 | 94.5 15 | 244 | |
| | 940 1000 | | | |
| Sample ID: 2307077-005ams | SampType: MS | | 8015D: Gasoline Range | |
| Client ID: S-5 1' | Batch ID: 76060 | RunNo: 98074 | | |
| Prep Date: 7/7/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568764 | Units: mg/Kg | |
| Analyte | | SPK Ref Val %REC LowLimit | * | Qual |
| Gasoline Range Organics (GRO) Surr: BFB | 21 4.9 24.70 2000 988.1 | 0 85.0 70 204 15 | | |
| | | | | |
| Sample ID: 2307077-005amsd | | | 8015D: Gasoline Range | |
| Client ID: S-5 1' | Batch ID: 76060 | RunNo: 98074 | | |
| Prep Date: 7/7/2023 | Analysis Date: 7/10/2023 | SeqNo: 3568765 | Units: mg/Kg | |
| | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

2307077

17-Jul-23

| Client: Project: | | | | | | | | | | | |
|---------------------|------------------|------------|------------------|-----------|-------------|------------------|----------|--------------|------------|----------|------|
| Sample ID: | 2307077-005amsd | SampT | уре: МS | D | Tes | tCode: EF | A Method | 8015D: Gasol | line Range | • | |
| Client ID: | S-5 1' | Batch | n ID: 760 | 060 | F | RunNo: 98 | 8074 | | | | |
| Prep Date: | 7/7/2023 | Analysis D |)ate: 7/ | 10/2023 | S | SeqNo: 35 | 68765 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 21 | 4.9 | 24.70 | 0 | 84.3 | 70 | 130 | 0.851 | 20 | |
| Surr: BFB | | 2000 | | 988.1 | | 205 | 15 | 244 | 0 | 0 | |

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 18 of 20

2307077

17-Jul-23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| | ORP ENERG ano HZMC 11 | | | | | | | | | |
|----------------------------|--------------------------|------------------|---------------------------------------|-------------|---------------------------------------|-----------|--------------------|------|----------|------|
| Sample ID: Ics-76031 | Samp | Tes | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
| Client ID: LCSS | Batcl | h ID: 760 |)31 | F | RunNo: 98 | 8074 | | | | |
| Prep Date: 7/6/2023 | Analysis [| Date: 7/* | 10/2023 | S | SeqNo: 3 | 68778 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.86 | 0.025 | 1.000 | 0 | 86.4 | 70 | 130 | | | |
| Toluene | 0.89 | 0.050 | 1.000 | 0 | 89.4 | 70 | 130 | | | |
| Ethylbenzene | 0.90 | 0.050 | 1.000 | 0 | 90.1 | 70 | 130 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 89.7 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.95 | | 1.000 | | 95.5 | 39.1 | 146 | | | |
| Sample ID: mb-76031 | SampT | Гуре: МВ | BLK | Tes | tCode: EF | A Method | 8021B: Volati | iles | | |
| Client ID: PBS | Batcl | h ID: 760 |)31 | F | RunNo: 98 | 8074 | | | | |
| Prep Date: 7/6/2023 | Analysis [| Date: 7/ | 10/2023 | S | SeqNo: 35 | 68779 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.94 | | 1.000 | | 94.4 | 39.1 | 146 | | | |
| Sample ID: Ics-76060 | SampT | Гуре: LC | S | Tes | stCode: EF | PA Method | 8021B: Volati | iles | | |
| Client ID: LCSS | Batcl | h ID: 760 | 060 | F | RunNo: 98 | 8074 | | | | |
| Prep Date: 7/7/2023 | Analysis I | Date: 7/* | 10/2023 | S | SeqNo: 35 | 68802 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.87 | 0.025 | 1.000 | 0 | 86.7 | 70 | 130 | | | |
| Toluene | 0.89 | 0.050 | 1.000 | 0 | 89.4 | 70 | 130 | | | |
| Ethylbenzene | 0.91 | 0.050 | 1.000 | 0 | 91.1 | 70 | 130 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 91.2 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.95 | | 1.000 | | 95.2 | 39.1 | 146 | | | |
| Sample ID: mb-76060 | Samp | Гуре: МВ | BLK | Tes | TestCode: EPA Method 8021B: Volatiles | | | | | |
| Client ID: PBS | Batcl | h ID: 760 | 060 | F | RunNo: 98074 | | | | | |
| Prep Date: 7/7/2023 | Analysis [| Date: 7/* | 10/2023 | 5 | SeqNo: 35 | 68803 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | | 0 4 0 | | | | | | | | |
| Ayleries, Total | ND | 0.10 | 1.000 | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 20

2307077

17-Jul-23

WO#:

Client:

Project:

Client ID:

Sample ID: 2307077-006ams

S-6 1'

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: MS

Batch ID: 76060

HILCORP ENERGY

Huerfano HZMC 1H

| Prep Date: 7/7/2023 | Analysis [| Date: 7/ | 10/2023 | S | SeqNo: 3 | 568806 | Units: mg/K | g | | |
|--|--------------------------------------|------------------------------------|---|-----------------------|--------------------------------------|--------------------------------|---------------------------------|----------------------|----------------|------|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.80 | 0.024 | 0.9718 | 0 | 82.5 | 70 | 130 | | | |
| Toluene | 0.83 | 0.049 | 0.9718 | 0 | 85.8 | 70 | 130 | | | |
| Ethylbenzene | 0.85 | 0.049 | 0.9718 | 0 | 87.2 | 70 | 130 | | | |
| Xylenes, Total | 2.5 | 0.097 | 2.915 | 0 | 86.8 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.93 | | 0.9718 | | 96.1 | 39.1 | 146 | | | |
| Sample ID: 2307077-006amsd | Samp | Гуре: МЅ | D | Tes | tCode: EF | PA Method | 8021B: Volati | les | | |
| | | | | | | | | | | |
| Client ID: S-6 1' | Batc | h ID: 760 | 60 | F | RunNo: 98 | 8074 | | | | |
| Client ID: S-6 1' Prep Date: 7/7/2023 | Batc Analysis [| | | | RunNo: 98 SeqNo: 38 | | Units: mg/K | g | | |
| | | | | S | - | | Units: mg/K HighLimit | g %RPD | RPDLimit | Qual |
| Prep Date: 7/7/2023 | Analysis [| Date: 7/* | 10/2023 | S | SeqNo: 3 | 568807 | _ | - | RPDLimit 20 | Qual |
| Prep Date: 7/7/2023 Analyte | Analysis [Result | Date: 7/ PQL | 10/2023 SPK value | SPK Ref Val | SeqNo: 3 | 568807 LowLimit | HighLimit | %RPD | | Qual |
| Prep Date: 7/7/2023 Analyte Benzene | Analysis I Result 0.78 | Date: 7/* PQL 0.024 | 10/2023 SPK value 0.9718 | SPK Ref Val | SeqNo: 38 %REC 80.5 | 568807 LowLimit 70 | HighLimit 130 | %RPD 2.47 | 20 | Qual |
| Prep Date: 7/7/2023 Analyte Benzene Toluene | Analysis I Result 0.78 0.82 | Date: 7/* PQL 0.024 0.049 | 10/2023 SPK value 0.9718 0.9718 | SPK Ref Val 0 0 | SeqNo: 38 %REC 80.5 84.1 | 568807 LowLimit 70 70 | HighLimit 130 130 | %RPD 2.47 2.11 | 20 20 | Qual |

TestCode: EPA Method 8021B: Volatiles

RunNo: 98074

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL

- Reporting Limit

Page 20 of 20

- WO#: 2307077
 - 17-Jul-23

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | TEL: 505-345-3975 | 4901 Hawkins I Iquerque, NM 871 | NE 09 San 07 | nple Log-In Cł | neck List |
|---|---------------------|------------------------------------|-----------------------------|-----------------------------------|------------------|
| Client Name: HILCORP ENERGY | Work Order Number: | 2307077 | | RcptNo: | 1 |
| Received By: Tracy Casarrubias 7/ | 6/2023 6:15:00 AM | | | | |
| Completed By: Tracy Casarrubias 7/ | 6/2023 7:52:21 AM | | | | |
| Reviewed By: MB 7/4/2 | 3 | | | | |
| Chain of Custody | | | | | |
| 1. Is Chain of Custody complete? | | Yes 🗌 | No 🗹 | Not Present | |
| 2. How was the sample delivered? | | Courier | | | |
| <u>Log In</u> | | | | | |
| 3. Was an attempt made to cool the samples? | | Yes 🗹 | No 🗌 | NA 🗋 | |
| 4. Were all samples received at a temperature of | >0° C to 6.0°C | Yes 🗹 | No 🗌 | NA 🗌 | |
| 5. Sample(s) in proper container(s)? | | Yes 🗹 | No 🗌 | | |
| 6. Sufficient sample volume for indicated test(s)? | | Yes 🗹 | No 🗌 | | |
| 7. Are samples (except VOA and ONG) properly pr | eserved? | Yes 🔽 | No 🗌 | | |
| 8. Was preservative added to bottles? | | Yes | No 🗹 | NA 🗌 | |
| 9. Received at least 1 vial with headspace <1/4" for | AQ VOA? | Yes | No 🗌 | NA 🗹 | |
| 10. Were any sample containers received broken? | | Yes | No 🗹 | # of preserved bottles checked | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗌 | for pH: | 12 unless noted) |
| 12. Are matrices correctly identified on Chain of Cus | tody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 13. Is it clear what analyses were requested? | | Yes 🗹 | No 🗌 | | -1.1-2 |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | No 🗌 | Checked by: Ju | 7/6/23 |
| <u>Special Handling (if applicable)</u> | | | | | |
| 15. Was client notified of all discrepancies with this | order? | Yes | No 🗌 | NA 🔽 | |
| Person Notified: | Date: | and the second | and the second state of the | | |
| By Whom: | Via: | eMail Pho | one 🗌 Fax | In Person | |
| Regarding: | | | | | |
| Client Instructions: Mailing address and | phone number are mi | ssing on COC- T | MC 7/6/23 | | |
| 16. Additional remarks: | | | | | |
| 17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal I | ntact Seal No S | eal Date S | Signed By | | |
| 1 5.5 Good Yes | Yogi | | | | |
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| Chain-of-Custody Record | Turn-Around Time: | |
| Client: Hilcorp | V Standard | ANALYSIS LABORATORY |
| | Project Name: | www.hallenvironmental.com |
| Mailing Address: | Huerfond HZMC 1H | 4901 Hawkins NE - Albuquerque, NM 87109 |
| | Project #: | Tel. 505-345-3975 Fax 505-345-4107 Analysis Request |
| Phone #: | | |
| email or Fax#: brand on. S incluin bill or p. com Project Manager: | Project Manager: | ੈ ਂ ਠਤ ਦੁ (੦ਬ |
| QA/QC Package: | ~ | O[±]' |
| Standard Level 4 (Full Validation) | Kate Kaufman | д ¹² S02 Dd Z |
| Accreditation: | Sampler: Brandon Sinclair | () () () () () () () () () () () () () (|
| | On ice: 1 Yes D No Unit | ОЯ 3\26 202 10 (21 21 21 21 22 22 22 22 22 22 22 22 22 |
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| Date Time Matrix Sample Name | # T | 85 85 85 80 80 |
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| | 18 | is possibility. Any sub-contracted data will be clearly notated on the analytical report. |

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| Chain-of-Custody Record | Turn-Around Time: | | _ |
| Client: Hilcoro | | ANALYSIS LABORATORY | 2 |
| | Project Name: | www.hallenvironmental.com | |
| Mailing Address: | HUERFORD HZMC 1H | 4901 Hawkins NE - Albuquerque, NM 87109 | |
| | Project #: | Tel. 505-345-3975 Fax 505-345-4107 | |
| Phone #: | | ysis kequ | |
| email or Fax# probaby Sinclair Childorp. Project Manager: | Project Manager: | È Q (O) | |
| QA/QC Package: | | s,8(| |
| Standard Level 4 (Full Validation) | Kate Kay Fman | 150/ 150/ 5 bC | |
| □ Az Compliance | Sampler: Brandon Sinclair | (1.4 (1.4) (| |
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| if according to the Hall Environmental marche supportinged | to other accredited laboratories. This serve | s as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. | |

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August 02, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX:

RE: Huerfano H2MC 1H

OrderNo.: 2307E48

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/29/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2307E48

Date Reported: 8/2/2023

| CLIENT : | HILCORP ENERGY | Client Sample ID: S-7 2' |
|-----------------|------------------|---|
| Project: | Huerfano H2MC 1H | Collection Date: 7/28/2023 11:30:00 A |
| Lab ID: | 2307E48-001 | Matrix: MEOH (SOIL) Received Date: 7/29/2023 7:05:00 AM |

| Analyses | Result | RL Qua | al Units | DF | Date Analyzed |
|-------------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst: DGH |
| Diesel Range Organics (DRO) | 20 | 9.6 | mg/Kg | 1 | 7/29/2023 3:45:52 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/29/2023 3:45:52 PM |
| Surr: DNOP | 107 | 69-147 | %Rec | 1 | 7/29/2023 3:45:52 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: JJP |
| Gasoline Range Organics (GRO) | ND | 3.6 | mg/Kg | 1 | 7/31/2023 5:35:31 PM |
| Surr: BFB | 94.9 | 15-244 | %Rec | 1 | 7/31/2023 5:35:31 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н

- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
 - Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 3

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: | HILCORP ENER | RGY | | | | | | | | |
|--|-------------------------------|---|-----------------------------------|-------------|---|-------------------------|----------------------|-----------|-----------|------|
| Project: | Huerfano H2MC | 1H | | | | | | | | |
| Sample ID: LCS- | - 76555 Sar | mpType: L(| cs | Tes | tCode: El | PA Method | 8015M/D: Die: | sel Range | Organics | |
| Client ID: LCS | s в | atch ID: 76 | 6555 | F | RunNo: 9 8 | 8594 | | - | - | |
| Prep Date: 7/29 | 9/2023 Analys | is Date: 7 | /29/2023 | S | SeqNo: 3 | 590225 | Units: mg/K | g | | |
| Analyte | Resul | t PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organic | | - | | 0 | 107 | 61.9 | 130 | | | |
| Surr: DNOP | 5.7 | 1 | 5.000 | | 103 | 69 | 147 | | | |
| Sample ID: MB-7 | 7 6555 Sar | mpType: M | BLK | Tes | tCode: El | PA Method | 8015M/D: Die: | sel Range | Organics | |
| Client ID: PBS | В | atch ID: 76 | 6555 | F | RunNo: 9 | 8594 | | | | |
| Prep Date: 7/29 | 9/2023 Analys | is Date: 7 | /29/2023 | ç | SeqNo: 3 | 590227 | Units: mg/K | g | | |
| Analyte | Resul | | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organic Motor Oil Range Orga | () | | | | | | | | | |
| Surr: DNOP | 1 ² 1 ² | | 10.00 | | 111 | 69 | 147 | | | |
| Sample ID: LCS | 76556 Sor | npType: L(| 20 | Too | tCodo: El | | 8015M/D: Die: | al Danca | Organiaa | |
| Sample ID: LCS- Client ID: LCS | | atch ID: 76 | | | RunNo: 9 | | | sei kange | Organics | |
| | - | is Date: 7 | | | SeqNo: 3 | | Units: %Rec | | | |
| | | | | | • | | | | | Qual |
| Analyte Surr: DNOP | Resul 5.3 | | SPK value 5.000 | SPK Ref Val | %REC 106 | LowLimit 69 | HighLimit 147 | %RPD | RPDLimit | Qual |
| Comple ID: MD | | | | Taa | | | | | | |
| Sample ID: MB-7 Client ID: PBS | | npType: M atch ID: 76 | | | RunNo: 9 | | 8015M/D: Die: | sel Range | Organics | |
| | | is Date: 7 | | | SeqNo: 3 | | Units: %Rec | | | |
| | | | | | | | | | | Qual |
| Analyte Surr: DNOP | Resul | | SPK value 10.00 | SPK Ref Val | %REC 109 | LowLimit 69 | HighLimit 147 | %RPD | RPDLimit | Qual |
| | | | | | | | | | | |
| Sample ID: LCS- | | npType: L(| | | | | 8015M/D: Die: | sel Range | Organics | |
| Client ID: LCS | | atch ID: 76 | | | RunNo: 9 | | Units: %Rec | | | |
| | | is Date: 7 | | | SeqNo: 3 | | | | | |
| | | | | | %REC | LowLimit | Light imit | %RPD | DDDI imit | Qual |
| Analyte Surr: DNOP | Resul | | SPK value | SPK Ref Val | | | HighLimit 147 | | RPDLimit | |
| Surr: DNOP | 4.7 | 7 | 5.000 | | 94.4 | 69 | 147 | | | |
| Surr: DNOP Sample ID: MB-7 | 4.7 7 6550 Sar | 7 npType: M | 5.000 BLK | Tes | 94.4 tCode: El | 69 PA Method | - | | | |
| Surr: DNOP Sample ID: MB-7 Client ID: PBS | 4.7 7 6550 Sar B | 7 npType: M atch ID: 76 | 5.000 BLK 5550 | Tes F | 94.4 tCode: El RunNo: 9 | 69 PA Method 8603 | 147 8015M/D: Dies | sel Range | | |
| Surr: DNOP Sample ID: MB-7 Client ID: PBS | 4.7 7 6550 Sar B | 7 npType: M | 5.000 BLK 5550 | Tes F | 94.4 tCode: El | 69 PA Method 8603 | 147 | sel Range | | |
| Surr: DNOP Sample ID: MB-7 Client ID: PBS | 4.7 7 6550 Sar B | npType: M atch ID: 76 is Date: 7 it PQL | 5.000 BLK 5550 7/31/2023 | Tes F | 94.4 tCode: El RunNo: 9 | 69 PA Method 8603 | 147 8015M/D: Dies | sel Range | | Qual |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 3

WO#: 2307E48 02-Aug-23

Page 44 of 48

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| | LCORP ENERO | | | | | | | | | | | |
|-----------------------------|---|--------------------------------|-----------|----------------|-----------------|--|--------------------|------|----------|------|--|--|
| Sample ID: 2.5ug gro I | grolcs SampType: LCS TestCode: EPA Method | | | | | 8015D: Gaso | line Range | • | | | | |
| Client ID: LCSS | Bate | Batch ID: GS98601 RunNo: 98601 | | | 3601 | | | | | | | |
| Prep Date: | Analysis | Date: 7/ | 31/2023 | SeqNo: 3590782 | | | Units: mg/K | (g | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Gasoline Range Organics (Gl | RO) 22 | 5.0 | 25.00 | 0 | 89.2 | 70 | 130 | | | | | |
| Surr: BFB | 2000 | | 1000 | | 195 | 15 | 244 | | | | | |
| Sample ID: mb | Samp | SampType: MBLK Tes | | | | stCode: EPA Method 8015D: Gasoline Range | | | | | | |
| Client ID: PBS | Bate | Batch ID: GS98601 RunN | | | RunNo: 9 | 3601 | | | | | | |
| Prep Date: | Analysis | Date: 7/ | 31/2023 | S | SeqNo: 3590783 | | | (g | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Gasoline Range Organics (Gl | RO) ND | 5.0 | | | | | | | | | | |
| Surr: BFB | 900 | | 1000 | | 90.4 | 15 | 244 | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 3

WO#: 2307E48 02-Aug-23

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Analysis Laborata 4901 Hawkins N Albuquerque, NM 871 TEL: 505-345-3975 FAX: 505-345-41 Website: www.hallenvironmental.co | Sample Log-In Check List 07 |
|---|---|--------------------------------|
| Client Name: HILCORP ENERGY | Work Order Number: 2307E48 | RcptNo: 1 |
| Received By: Juan Rojas | 7/29/2023 7:05:00 AM | (Junita g) |
| Completed By: Tracy Casarrubias | 7/29/2023 8:39:37 AM | |
| Reviewed By: 7127/29/23 | | |

| Chain of Custody | | | | | |
|---|--|-------------------------|-------------|-------------------------------------|----------------------|
| 1. Is Chain of Custody comple | ete? | Yes | No 🗹 | Not Present | |
| 2. How was the sample delive | red? | Courier | | | |
| <u>Log In</u> | | | | | |
| 3. Was an attempt made to co | ool the samples? | Yes 🔽 | No 🗌 | NA 🗌 | |
| 4. Were all samples received a | at a temperature of >0° C to 6.0°0 | CYes 🗹 | No 🗌 | na 🗆 | |
| 5. Sample(s) in proper contain | er(s)? | Yes 🔽 | No 🗌 | | |
| 6. Sufficient sample volume fo | r indicated test(s)? | Yes 🔽 | No 🗌 | | |
| 7. Are samples (except VOA a | nd ONG) properly preserved? | Yes 🔽 | No 🗌 | | |
| 8. Was preservative added to | bottles? | Yes 🗌 | No 🔽 | NA 🗌 | |
| 9. Received at least 1 vial with | headspace <1/4" for AQ VOA? | Yes | No 🗌 | NA 🔽 | |
| 10. Were any sample container | rs received broken? | Yes | No 🗹 | # of preserved bottles checked | / |
| 11. Does paperwork match bott (Note discrepancies on chai | | Yes 🔽 | No 🗌 | for pH: (<2 c | or >12 unless noted) |
| 12. Are matrices correctly identi | ified on Chain of Custody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 13. Is it clear what analyses we | re requested? | Yes 🗹 | No 🗌 | | |
| 14. Were all holding times able (If no, notify customer for au | | Yes 🗹 | No 🗌 | Checked by: | Tme 7/19/13 |
| Special Handling (if app | licable) | | | | |
| 15. Was client notified of all dis | screpancies with this order? | Yes | Νο 🗌 | NA 🗹 | |
| Person Notified: | | Date: | | | |
| By Whom: | | Via: 🗌 eMail 📋 Ph | one 🗌 Fax | 🗌 In Person | |
| Regarding: | | | | | |
| Client Instructions: | Mailing address and phone numbe | er are missing on COC - | TMC 7/29/23 | And the second second second second | |
| 16. Additional remarks: | | | | | |
| 17. <u>Cooler Information</u> Cooler No Temp °C 1 0.7 | Condition Seal Intact Seal Good Yes Morty | No Seal Date S | Signed By | | |

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

| Operator: 0 | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 250451 |
| 7 | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|-------------------|
| nvelez | Remediation has met rule requirements. Impacts above the reclamation standards has been left in place and is required to be addressed once site is no longer reasonably needed for production or drilling ops. | 8/14/2023 |

Page 48 of 48

Action 250451