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

)

Paged lof 74

| Incident ID | nAPP2212649502 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible Party Hilcorp Energy Company | OGRID 372171 | |
|--|--------------------------------|--|
| Contact Name Mitch Killough | Contact Telephone 713-757-5247 | |
| Contact email mkillough@hilcorp.com | Incident # nAPP2212649502 | |
| Contact mailing address 1111 Travis Street, Houston, Texas | | |
| 77002 | | |

Location of Release Source

Latitude 36.8147621

Longitude -107.8746643_ (NAD 83 in decimal degrees to 5 decimal places)

| Site Name Sunray B 1B | Site Type Well |
|--|-------------------|
| Date Release Discovered 4/26/2021 @ 2:33 pm (MT) | API# 30-045-30010 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|----------|
| F | 15 | 30N | 10W | San Juan |

Surface Owner: State Federal Tribal Private (Name:_____

Nature and Volume of Release

| Material | Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below) | | | |
|------------------|---|---|--|--|
| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) | | |
| Produced Water | Volume Released (bbls) 7 | Volume Recovered (bbls) 0 | | |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No | | |
| Condensate | Volume Released (bbls) 14 bbls | Volume Recovered (bbls) 5 bbls | | |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) | | |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) | | |
| G (D) | | | | |

Cause of Release

A release of approximately 21 bbls produced water/condensate was released from an 1/8-inch hole in a 300-bbl production storage tank that developed due to corrosion. The spill amount was determined by operator's monthly tank gauging data. The released fluids remained on location and inside secondary containment. 5 bbls were recovered. OCD will be notified 48 hours prior to the collection of confirmation soil sampling.

| Page | 2 |
|-------|---|
| 1 age | ~ |

Oil Conservation Division

| Incident ID | nAPP2212649502 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release? |
|--|---|
| 🗌 Yes 🖾 No | |
| | |
| If YES, was immediate no | ptice 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

 \boxtimes 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:

All free product that could be recovered from within secondary containment was removed via vacuum truck.

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: __Mitch Killough______ Title: ___Environmental Specialist______

Signature: _____ *Auh help*_____ Date: 5/6/2022_____

email: ___mkillough@hilcorp.com______ Telephone: ___713-757-5247_____

Jocelyn Harimon Date: _____ Received by:

05/06/2022

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: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 105012 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|-------------------|
| jharimon | When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141 | 5/6/2022 |

Page 3.0ff74

Action 105012

Received by OCD: 7/25/2022 6:05:24 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

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

Page 4 of 74

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>60</u> (ft bgs) |
|---|--------------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| 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
- 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
- \boxtimes 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: | 7/25/2022 6:05:24 PM | . . . | | | Pa | ge 5 of 74 |
|--|--|---|---|--|---|----------------|
| Form C-141 | State of New J | Mexico | Inciden | t ID | | |
| Page 4 | Oil Conservation | Division | District | RP | | |
| | | | Facility | ID | | |
| | | | Applica | tion ID | | |
| I hereby certify that regulations all oper- public health or the failed to adequately addition, OCD acce and/or regulations. Printed Name: Signature: | the information given above is true and cators are required to report and/or file certa environment. The acceptance of a C-141 vinvestigate and remediate contamination optance of a C-141 report does not relieve to Mitch Killough | omplete to the best of my kno nin release notifications and p report by the OCD does not r that pose a threat to groundwa he operator of responsibility f Title: | wledge and understa erform correcti ve ac elieve the operator o tter, surface water, h for compliance with Environmental S | nd that pursu tions for relea f liability sho uman health o any other fed pecialist Date: <u>7/2</u> | ant to OCD rules and ases which may endang uld their operations ha or the environment. In eral, state, or local law 5/2022 | ger ve s |
| email: <u>mki</u> | llough@hilcorp.com | Telephone: | 713-757-5247 | | | |
| OCD Only Received by: | | Date | : | | | |

Received by OCD: 7/25/2022 6:05:24 PM Form C-141 State of New Mexico

Page 5

Oil Conservation Division

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

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

Page 6 of 74

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mitch Killough Title: Environmental Specialist John July _____ Date: <u>7/25/2022</u>_____ Signature: email: <u>_____mkillough@hilcorp.co</u>m_____ Telephone: 713-757-5247 OCD Only Received by: _____ Date: _____ Approved Approved with Attached Conditions of Approval Denied Deferral Approved Nelson Velez Date: 09/13/2022 Signature:

1. OCD approves SVE Pilot Test. 2. Submittal of a SVE Pilot Test Report along with a Final Remediation Plan are due by December 16, 2022.



July 25, 2022

New Mexico Oil Conservation Division New Mexico Energy, Minerals, and Natural Resources Department 1000 Rio Brazos Road Aztec, New Mexico 87410

Re: Site Characterization Report and Remediation Work Plan Sunray B 1B San Juan County, New Mexico Hilcorp Energy Company NMOCD Incident Number: nAPP2212649502

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Site Characterization Report and Remediation Work Plan* for a release at the Sunray B 1B natural gas production well (Site). The Site is located on land managed by the Bureau of Land Management (BLM) in Unit F, Section 15, Township 30 North, Range 10 West in San Juan County, New Mexico (Figure 1).

On April 26, 2022, Hilcorp discovered a release of produced water and condensate originating from a 1/8-inch hole in the 300-barrel (bbl) production storage tank at the Site (location shown on Figure 2). The hole appeared to be caused by corrosion of the steel tank. Based on the operator's tank-gauging data and the volume of fluid remaining in the tank, the release is estimated to consist of 7 bbls of produced water (no volume recovered) and 14 bbls of condensate, of which 5 barrels were recovered. All released fluids stayed within the bermed, unlined secondary containment on the production pad. Immediately upon discovery, the operator shut off the oil dump controller and removed the remaining fluids from the production storage tank. Additionally, Hilcorp moved the tank and excavated the top three feet of visually-impacted soil from the Site on April 27 to 29, 2022 in order to remove the petroleum-saturated soil and mitigate further migration of contaminants. Hilcorp submitted the initial Form C-141 to the New Mexico Oil Conservation Division (NMOCD) on May 6, 2022 and the Site was assigned NMOCD incident number nAPP2212649502. Hilcorp also submitted a *Report of Undesirable Event* to the BLM via sundry on May 9, 2022 (Appendix A).

SITE CHARACTERIZATION

The Site is located on BLM surface approximately 1 mile north of County Road 173 (Navajo Dam Road) and 6.5 miles east of Aztec, New Mexico. As part of the site investigation, local geology/hydrogeology and nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC). This information is further discussed below.

GEOLOGY AND HYDROGEOLOGY

The Site is located in the Tertiary San Jose Formation. In the report titled "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (Stone, et. al., 1983), the San Jose Formation is characterized by various lithologies including course-grained arkose, mudstones, and lenses of

E ENSOLUM

claystone, siltstone, and poorly consolidated sandstone. This formation ranges in thickness from 200 feet to 2,700 feet. Stone et. al. state that the aquifers in the San Jose Formation are largely untested and display variable hydrologic properties dependent on location. Where sufficient yield is present, the primary use of water from this formation is for domestic and/or livestock supply. The San Jose Formation is the youngest Tertiary bedrock unit in the San Juan Basin and is underlain by the Nacimiento Formation.

POTENTIAL SENSITIVE RECEPTORS

Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and site-specific observations.

The nearest surface water features is an unnamed wash located 305 feet to the northwest of the Site. Of note, a dashed blue line is present on the USGS 7.5-minute quadrangle maps for this area (solid blue line indicated on Figure 3). Ensolum personnel performed a Site walk during field activities to assess any water feature within 300 feet of the Site that may be considered a "significant watercourse" as defined in 19.15.17.7 NMAC. Based on the Site walk, a drainage/erosional feature was identified greater northwest of the Site, as indicated on Figure 4. This feature ultimately terminates onto an access road approximately 660 feet to the southwest. Additionally, photographs 1 and 2 (Appendix B) show the start and terminus of the wash as encountered during field activities. Based on the distance of this feature from the Site and the discontinuous nature, no significant watercourses are present within 300 feet of the Site.

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 3). The nearest fresh-water well is NMOSE permitted well SJ-00523 (Appendix C), located approximately 1.5 miles west of the Site. The recorded depth to water on the NMOSE database is 120 feet below ground surface (bgs). Additionally, a cathodic well log for the nearby Sunray B 1A well pad indicates that depth to groundwater at the Site is approximately 60 feet bgs (Appendix C). As such, depth to groundwater at the Site is determined to be between 50 and 100 feet bgs. No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site (Figure 3). The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as low potential karst by the BLM). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table 1, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 of the NMAC), the following closure criteria should be applied to the Site:

- Chloride: 10,000 milligrams per kilogram (mg/kg)
- Total Petroleum Hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg
- TPH-GRO + TPH-DRO: 1,000 mg/kg
- A combination of benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg

Page 9 of 74

• Benzene: 10 mg/kg

SITE INVESTIGATION ACTIVITIES

On June 27 and 28, 2022, Hilcorp retained Ensolum to perform delineation activities to identify the horizontal and vertical extent of impacts related to the Site release. Ensolum submitted notice of sampling to the NMOCD 48 hours in advance of the work (Appendix D). Drilling was performed by Enviro-Drill, Inc. using a Central Mining Equipment 75 hollow-stem auger drill rig. Seven borings, BH01 through BH07, were advanced to depths up to 30 feet bgs during this investigation in the locations presented on Figure 5.

During drilling, an Ensolum geologist logged soil lithology and inspected the soil for petroleum hydrocarbon staining and odors. Soil descriptions were noted in field books/boring logs and generally followed the Unified Soil Classification System (USCS), as specified in American Society for Testing and Materials (ASTM) method D2488. Soil samples were also field screened for the presence of organic vapors using a photoionization detector (PID), with results noted on the field boring logs (attached as Appendix E). In general, soil samples were collected from depth intervals indicating the greatest impacts based on field screening and PID measurements. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. Samples were submitted to Hall Environmental Analysis Laboratory (Hall) for analysis of BTEX by United States Environmental Protection Agency (EPA) Method 8021, TPH-GRO, TPH-DRO, TPH-MRO by EPA Method 8015, and chloride by EPA Method 300.0.

SOIL BORING RESULTS

In general, fine to coarse grained sand and weathered sandstone with varying amounts of silt were encountered in all borings at the Site. An organic clay layer was also encountered in boring BH01 from 15 to 20 feet bgs; however, this clay unit was not encountered in any other borings during drilling. Field indications of petroleum hydrocarbons, including staining, odors, and/or elevated PID readings, were noted in borings BH02 and BH04, both located in close proximity to the release source. Groundwater was not encountered in any of the borings during drilling.

Soil samples collected between the ground surface and 15 feet bgs from boring BH04 contained concentrations of total BTEX, TPH-GRO+DRO, and/or Total TPH exceeding the NMOCD Table I Closure Criteria. BTEX, TPH, and chloride concentrations were not detected in any other soil samples exceeding the NMOCD Table I Closure Criteria collected during this investigation. A summary of analytical results is presented on Table 1. Complete laboratory reports are attached in Appendix F.

REMEDIATION WORK PLAN

Based on the delineation activities and analytical results described above, an estimated 600 cubic yards of soil have been impacted by the release at the Site. The release has impacted soil up to approximately 15 feet bgs and appears to be contained within the current footprint of the secondary containment. Based on the nature of the release, favorable soil lithology, and the proximity of impacted soil to active equipment, Ensolum recommends the use of soil vapor extraction (SVE) techniques to remediate soil at the Site. As described by the EPA, SVE is an in-situ technique for the removal of volatile organic compounds (VOCs) and some semi-volatile organic compounds (SVOCs) from vadose zone soil through the application of vacuum to the subsurface. When air is removed from the soil, contaminants are volatilized and removed. Depending on contaminant concentrations in the removed air, the SVE system may emit the exhaust directly to the atmosphere.

Page 10 of 74

Based on field screening during drilling, borings BH04 (SVE01), BH05 (SVE02), and BH02 (SVE03) were completed as SVE wells to be used for future remediation. Screened casing was installed across the subsurface interval with the highest petroleum hydrocarbon impacts based on PID readings in order to direct the applied vacuum to these depth intervals. Well construction details are included on the boring logs attached as Appendix E. SVE wells were constructed with 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casing and 2-inch Schedule 40 PVC 0.010-inch slotted screen. Wells were completed with 10-20 silica sand pack to 3 feet above the screened interval, then hydrated bentonite seal to the ground surface. SVE well locations are indicated on Figure 5.

SVE PILOT TEST

Ensolum recommends performing a SVE pilot test to evaluate the effectiveness of SVE for the Site and, if applicable, assess the Site-specific flow and vacuum rates required to volatilize and remove contaminants from the impacted subsurface. Data collected during the SVE pilot test will be used to estimate the system's radius-of-influence (ROI) and radius-of-effect (ROE) to determine well spacing and the need for additional SVE wells at the Site.

A vacuum truck will be used to remove air at one SVE well at a time (used as the "extraction" well). Flow and vacuum rates will be measured at the extraction well using an adjustable manifold and vacuum responses will be measured in the other SVE wells at the Site (used as "observation" wells). The pilottest manifold will be used to control and incrementally increase vacuum being applied to the extraction well to assess the relationship between flow and vacuum. Vacuum measurements collected at the observation wells will be used to assess the ROI and ROE achievable at the Site. The following general procedures will be used to perform the SVE pilot test:

- 1. Collect initial VOC measurements using a PID from all SVE wells.
- 2. Attach a flexible hose from the vacuum truck to the SVE pilot test manifold. Connect the manifold to the first extraction well, start the vacuum truck, and slowly open the valve to increase flow and vacuum at the well.
- 3. During each test, apply a vacuum of approximately 10 inches of water column (IWC) and allow flow/vacuum measurements to stabilize for up to 15 minutes. Collect vacuum measurements and PID readings at each observation well once flow and vacuum have stabilized.
- 4. Increase the extraction well vacuum by 10 to 20 IWC, allow the vacuum/flow to stabilize, and collect observation well measurements as described below. Continue Steps 3 and 4 until 100 IWC is being applied at the extraction well or the vacuum truck capabilities are reached
- 5. Close the manifold valve, allow to vacuum to dissipate, and collect PID readings from each observation well.
- 6. Collect air samples from the extraction wells in 1-liter Tedlar[®] bags and submit to Hall for analysis of BTEX and total volatile petroleum hydrocarbons (TVPH).

After completion of the SVE pilot test, Ensolum will prepare a Pilot Test Report summarizing the results of the test and recommendations for the design and construction of the full-scale SVE system. The report will include the calculations for ROI and ROE, system specifications required to remediate subsurface impacts, and, if determined feasible, an operation and maintenance plan for the system and the proposed remediation schedule and timeline.

Because of the lack of permanent electrical power at the Site, it is anticipated that a solar SVE system will be used to remediate subsurface impacts, if determined to be a viable remediation technology. However, the size of vacuum blower will be constrained by the size of solar array available for installation at the Site and therefore the voltage and amperage capable of being produced by the solar array. With

ENSOLUM

the results of the pilot test, Hilcorp will also assess the power requirements of the SVE system and the feasibility of a solar array being able to provide the requisite power.

Alternatively, if the pilot test demonstrates that solar SVE is not viable at the Site, Hilcorp proposes to excavate the impacted soil for off-Site treatment/disposal. Hilcorp will notify the BLM and NMOCD and propose an excavation schedule/timeline prior to implementation if this alternative remediation approach is selected. Hilcorp and Ensolum will perform the SVE pilot test and prepare the *Pilot Test Report* within 90 days of BLM and NMOCD approval of this *Site Characterization Report and Remediation Work Plan*.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely, Ensolum, LLC

Stuart Hyde, LG Senior Geologist (970) 903-1607 shyde@ensolum.com

Ushley L. ager

Ashley Ağer, MS, PG Development Manager, Geologist (970) 946-1093 aager@ensolum.com

Attachments:

- Figure 1: Site Location Map
- Figure 2: Site Features
- Figure 3: Site Proximity to Watercourse, Lakebed, Sinkhole, Playa Lake, or Wetland
- Figure 4: Site Proximity to Significant Watercourse
- Figure 5: Soil Boring Locations
- Table 1:Delineation Soil Sample Analytical Results
- Appendix A: BLM Release Reporting
- Appendix B: Project Photographs
- Appendix C: NMOSE Well SJ-03996 Water Rights Summary
- Appendix D: NMOCD Sampling Notification
- Appendix E: Field Boring Logs
- Appendix F: Laboratory Analytical Reports



FIGURES

Received by OCD: 7/25/2022 6:05:24 PM



Received by OCD: 7/25/2022 6:05:24 PM





Released to Imaging: 9/13/2022 9:45:21 AM

Received by OCD: 7/25/2022 6:05:24 PM



Released to Imaging: 9/13/2022 9:45:21 AM





TABLES

.

TABLE 1

DELINEATION SOIL SAMPLE ANALYTICAL RESULTS Hilcorp - Sunray B 1B San Juan County, New Mexico

Ensolum Project No. 07A1988042

| Sample I.D. | Sample Date | Sample Depth (feet bgs) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | TPH MRO (mg/kg) | Total GRO+DRO (mg/kg) | Total TPH (GRO+DRO+MRO) (mg/kg) | Chloride (mg/kg) |
|--|-------------------------------------|------------------------------------|--------------------|--------------------|-------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------------|---------------------------------------|---------------------|
| NMOCD Closure Release (C | e Criteria for So Groundwater 50 | ils Impacted by a) - 100 feet) | 10 | NE | NE | NE | 50 | NE | NE | NE | 1,000 | 2,500 | 10,000 |
| Delineation Soil Sample Analytical Results | | | | | | | | | | | | | |
| BH01 5-10 | 6/27/2022 | 5-10 | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | <15 | <48 | <15 | <48 | <60 |
| BH01 15-20 | 6/27/2022 | 15-20 | <0.024 | <0.049 | <0.049 | <0.097 | <0.097 | <4.9 | <15 | <50 | <15 | <50 | <59 |
| BH02 5-10 | 6/27/2022 | 5-10 | <0.023 | <0.047 | <0.047 | <0.093 | <0.093 | <4.7 | <15 | <50 | <15 | <50 | <60 |
| BH02 10-15 | 6/28/2022 | 10-15 | <0.024 | <0.049 | <0.049 | <0.098 | <0.098 | <4.9 | <14 | <48 | <14 | <48 | <60 |
| BH02 15-20 | 6/28/2022 | 15-20 | <0.024 | <0.048 | <0.048 | <0.096 | <0.096 | <4.8 | <15 | <50 | <15 | <50 | <59 |
| BH02 20-25 | 6/28/2022 | 20-25 | <0.024 | <0.047 | <0.047 | <0.095 | <0.095 | <4.7 | <14 | <46 | <14 | <46 | <60 |
| BH03 0-5 | 6/27/2022 | 0-5 | <0.024 | <0.048 | <0.048 | <0.096 | <0.096 | <4.8 | <14 | <48 | <14 | <48 | <60 |
| BH03 15-20 | 6/27/2022 | 15-20 | <0.024 | <0.047 | <0.047 | <0.094 | <0.094 | <4.7 | <14 | <48 | <14 | <48 | <60 |
| BH04 5-10 | 6/27/2022 | 5-10 | 0.74 | 56 | 17 | 160 | 234 | 2,300 | 4,100 | 870 | 6,400 | 7,270 | <60 |
| BH04 10-15 | 6/27/2022 | 10-15 | <0.49 | 1.0 | 2.2 | 18 | 21 | 450 | 1,400 | 360 | 1,850 | 2,210 | <60 |
| BH04 15-20 | 6/27/2022 | 15-20 | <0.12 | <0.23 | <0.23 | 1.2 | 1.2 | 43 | 190 | 65 | 233 | 298 | <60 |
| BH04 25-30 | 6/27/2022 | 25-30 | <0.023 | <0.046 | <0.046 | <0.092 | <0.092 | <4.6 | <15 | <50 | <15 | <50 | <60 |
| BH05 5-10 | 6/27/2022 | 5-10 | <0.024 | <0.047 | <0.047 | <0.095 | <0.095 | <4.7 | <14 | <47 | <15 | <47 | <60 |
| BH06 10-15 | 6/28/2022 | 10-15 | <0.024 | <0.048 | <0.048 | <0.097 | <0.097 | <4.8 | <14 | <48 | <14 | <48 | 110 |
| BH06 25-30 | 6/28/2022 | 25-30 | <0.024 | <0.048 | <0.048 | <0.096 | <0.096 | <4.8 | <15 | <49 | <15 | <49 | 84 |
| BH07 0-5 | 6/28/2022 | 0-5 | <0.024 | <0.08 | <0.048 | <0.095 | <0.095 | <4.8 | <14 | <47 | <14 | <47 | <60 |
| BH07 20-22 | 6/28/2022 | 20-22 | <0.023 | <0.046 | <0.046 | <0.093 | <0.093 | <4.6 | <15 | <50 | <15 | <50 | <60 |

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

<0.037: indicates result less than the stated laboratory reporting limit (RL)

Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table 1 Closure Criteria for Soils Impacted by a Release

ENSOLUM

.



APPENDIX A

BLM Release Reporting

| STARCH 3, 1849 | United States Department of the Interior Bureau of Land Management New Mexico Farmington Field Office Report of Undesirable Event | | | | | | | | |
|---------------------------------|--|--------------------|-----------------|----------------|-------------|------------------|------------------------|--|--|
| 1. Operator: Hilcorp Energy | Company | | Field N | ame: Basin | Dakota | |] | | |
| 2. IID NO (Lease, ROW, Un | it/PA. CA): USA | NMSF078125 | | | | | | | |
| 3. Date of Occurrence: 4/26/ | 2022 | | | Time of | Occurren | ce: 14:33 (MT) |) | | |
| 4 Date Reported to BLM: 5/ | 6/2022 | Time Repor | ted to BLM | · 14·40 MT | Report | red to: BLM-FI | FO | | |
| 5 Reported By: Mitch | Phone Numbe | er: 713-757-5247 | 7 | | nepon | | | | |
| Killough | T none Trumor | | | | | | | | |
| 6 Person in Charge: Jeremy | Phone Numbe | er: 505-324-5146 | <u>í</u> | | | | | | |
| Brooks | Thone Tunio | | , | | | | | | |
| 7 Location: Count San | State: NM | T 30N | R 10W | Sec 1 | 5 | Otr/Otr | or UnitF | | |
| Juan | State: 1414 | 1. 501 | R . 1000 | 500.11 | 5 | Qu/Qu. | or entr | | |
| 8 Surface Ownership (BLM | other Federal Fe | e State Indian): | BIM | Nec | rest Tow | n or Landmark | r Aztec NM | | |
| 9 Well or Facility ID: 30 04 | <u>, other rederal, re</u> 5 30010 | c, State, Indian). | DLIVI | INCO | uest 10w | | | | |
| 10 Type of Event (See instr | stions): Condense | ata/produced wat | or rolonso | | | | | | |
| 10. Type of Event (See list) | Event: A release of | f approximately ' | 21 hble proc | lugad water | andana | to was released | d from on 1/2 inch | | |
| hole in a 300 bbl production | storage tank that | davaloped due to | 21 UUIS PIOC | iuceu watei/ | condense | lie was teleased | 1 HOIII all 1/8-IIICII | | |
| 12 Volume Discharged or C | storage talk that t | | Wote | | Cas | | Other | | |
| 12. Volume Discharged of C | onsumed: | 011 14 | wate | Water / | | | Other | | |
| Volume Recovered: | | 011 5 | wate | er 0 | Gas | | Other | | |
| Volume Lost: | F (11 | 011 9 | Wate | er / | Gas | | Other | | |
| 13. Time required to Control | Event: I hour | | | | | | | | |
| 14. Action Taken to Control | Event: | | | | | | | | |
| Upon discovery, the operator | or immediately shu | it off the dump c | ontroller, ca | lled supervi | sor, area | lead, and calle | d out for a vacuum | | |
| truck to respond to the releas | e. The remaining | fluid in the store | age tank was | s pulled and | the 300- | bbl oil tank wa | s taken out of | | |
| service. | | | (D) | 1 7 | | | | | |
| 15. Description of Potential/ | Resultant Damage | and Cause/Exter | nts of Perso | nal Injuries: | | 101 001 | | | |
| All spilled fluids remained o | n pad and inside c | ontainment. Vis | ibly-impact | ed soil footp | orint is ab | out 19' x 20'. | | | |
| | | | | | | | | | |
| 16. Clean up Procedures and | Dates: | | | | | | | | |
| Between 4/27 - 4/29, Hilcorr | removed the visi | bly impacted soil | l from the re | elease area. | | | | | |
| | | | | | | | | | |
| 17 Action Taken to Prevent | Recurrence/Initiat | e or Undate Con | tingency Pl | annina | | | | | |
| Tank will be inspected and c | oated ASAP | e of optiate con | ingency 11 | anning. | | | | | |
| Tank will be inspected and c | oaled ASAL. | | | | | | | | |
| 18. General Remarks: | | | | | | | | | |
| Per NMOCD 19.15.29 guide | lines, Hilcorp will | work towards th | ne 90-day de | eadline of 7/ | 25/2022. | By this date, H | filcorp will provide a | | |
| either a summary of delineat | ion activities (with | n a plan of action | for remedia | ation) or a fi | inal closu | re report. BLM | 1-FFO will be kept in | | |
| the loop as we progress on the | nis project. | - | | | | - | - | | |
| 19. Other Federal, State, & I | local Agencies No | tified: NMOCD, | EPA, ACE | , Tribe, FIN | IO, Land | owner (list nan | nes, phone numbers), | | |
| Other (List name and phone) | : | , | * | * | | • | • | | |
| NMOCD - Initial C-141 - 5/ | 5/2022 | | | | | | | | |
| 20. Signature: Mitch Killoug | h | 11. | | | | Date: 5/6/2 | 2022 | | |
| | the | July | | | | | | | |
| | | | | | | | | | |
| BLM USE ONLY | | | | | | | | | |
| A. Field Office: | | | B. Date | Reported to | NMSO: | | | | |
| C. Event Classification (I, II, | , or III): | | | | | | | | |

Date:

D. Site Inspected By:

| U.S. Department of the Interior BUREAU OF LAND MANAGEMENT | | Sundry Print F(epor 05/17/2022 |
|--|---|---|
| Well Name: SUNRAY B | Well Location: T30N / R10W / SEC 15 / SENW / 36.814755 / -107.874634 | County or Parish/State: SAN JUAN / NM |
| Well Number: 1B | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMSF078125 | Unit or CA Name: SUNRAY B | Unit or CA Number: NMNM103095, NMNM73466 |
| US Well Number: 3004530010 | Well Status: Producing Gas Well | Operator: HILCORP ENERGY COMPANY |

Notice of Intent

Sundry ID: 2670624

AFRACO

Type of Submission: Notice of Intent

Date Sundry Submitted: 05/09/2022

Date proposed operation will begin: 04/26/2022

Type of Action: Other Time Sundry Submitted: 05:20

Procedure Description: Attn: Emmanuel Adeloye A release of approximately 21 bbls produced water/condensate was released from an 1/8-inch hole in a 300-bbl production storage tank that developed due to corrosion. The spill amount was determined by operator's monthly tank gauging data. The released fluids remained on location and inside secondary containment. 5 bbls were recovered. BLM/OCD will be notified 48 hours prior to the collection of confirmation soil sampling.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Sunray_B_1B___FFO_UE_Reporting_Form___05062022_20220509051856.pdf

| Received by OCD: 7/25/2022 6:05:24 PM Well Name: SUNRAY B | Well Location: T30N / R10W / SEC 15 / SENW / 36.814755 / -107.874634 | County or Parish/State: SAN 23 of JUAN / NM |
|--|---|---|
| Well Number: 1B | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMSF078125 | Unit or CA Name: SUNRAY B | Unit or CA Number: NMNM103095, NMNM73466 |
| US Well Number: 3004530010 | Well Status: Producing Gas Well | Operator: HILCORP ENERGY COMPANY |

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: AMANDA WALKER

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON

State: TX

State:

Phone: (346) 237-2177

Email address: mwalker@hilcorp.com

Field

Representative Name: Street Address: City: Phone: Email address:

BLM Point of Contact

BLM POC Name: DAVE J MANKIEWICZ BLM POC Phone: 5055647761 Disposition: Approved Signature: Dave Mankiewicz

Zip:

BLM POC Title: AFM-Minerals

BLM POC Email Address: DMANKIEW@BLM.GOV

Signed on: MAY 09, 2022 05:19 AM

Disposition Date: 05/16/2022



APPENDIX B

Project Photographs



PROJECT PHOTOGRAPHS Sunray B 1B San Juan County, New Mexico Hilcorp Energy Company

Photograph 3

Aerial view of the Site showing the initial excavation performed by Hilcorp immediately following discovery of the release





APPENDIX C

NMOSE Well SJ-03996 Water Rights Summary

Released to Imaging: 9/13/2022 9:45:21 AM



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

| | | | (quarters | are 1=N | IW 2=] | NE 3=S | W 4=SE) | (114 D92 11 | TM in matana) | |
|-------------------------------------|-------|--------------------|-------------------------------|-----------------|--------|-----------------|------------|----------------------|---------------------|---------|
| Well Tag POD Number | | | (quarter) | s are sm 6.04 | Sec | to largest) (NA | | (NAD83 U V | AD83 UTM in meters) | |
| SJ 0 | | 0523 | Q04 Q. | 4 4 | 08 | 30N | 10W | A 241292 | 4078946* | |
| Driller Lic | ense: | 697 | Driller C | ompa | ny: | MA | DSON | ENTERPRI | SES | |
| Driller Nai | ne: | PAMELA MADS | SON | | | | | | | |
| Drill Start Date: 12/12/1977 | | Drill Fin | Drill Finish Date: 12/15/1977 | | | 77 Pl | Plug Date: | | | |
| Log File Date: 12/28/1977 | | | PCW Rc | PCW Rcv Date: | | | | | urce: | Shallow |
| Pump Type | e: | | Pipe Dise | harge | e Size | : | | Es | timated Yield: | 10 GPM |
| Casing Size | e: | 7.00 | Depth W | ell: | | 1 | 60 feet | De | Depth Water: | |
| C. | Wate | er Bearing Stratif | ications: | Т | op E | otton | Desci | ription | | |
| | | | | 12 | 20 | 160 |) Sands | stone/Gravel | /Conglomerate | |
| C. | | Casing Per | forations: | orations: Top | | | Bottom | | | |
| | | | | 1 | 20 | 160 |) | | | |

*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.

6/1/22 3:28 PM

POINT OF DIVERSION SUMMARY

| 1200 | B#1-A | 30-045-2 | 3166 | |
|--|--|--|---|--|
| | A * 3 | 30-045-2 | 20783 | |
| DAT | A SHEET FOR DEE NO (Submit 3 | P GROUND BED RTHWESTERN NE copies to OC | CATHODIC PRO W MEXICO D Aztec Offi | TECTION WELLS ce) |
| Operator MER | IDIAN OIL | Loc | ation: Unit_ | ^W Sec. ¹⁵ _Twp_ ³⁰ |
| Name of Well | /Wells or Pipel: | ine Serviced_ | SUNRAY B #1 | A, SUNRAY A #3 |
| | | | | cr |
| Elevation_645 | <u>5'</u> Completion Dat | te <u>9/12/80</u> Tc | tal Depth <u>405</u> | Land Type* |
| Casing, Size | s, Types & Dept | ns | N/A | |
| N/A | ckness of water | zones with d | escription o | f water when p |
| Depths & thi | | | | e wasser when p |
| Fresh, Clear | , Salty, Sulphur | r, Etc | 60' & 200' | SAMPLE TAKEN |
| Depths & thi Fresh, Clear Depths gas en | , Salty, Sulphur | r, Etc N/A | 60' & 200' | SAMPLE TAKEN |
| Depths & thi Fresh, Clear Depths gas en Type & amoun | , Salty, Sulphum ncountered: t of coke breeze | r, Etc N/A 2 used: | 60' & 200' 3500 lbs. | SAMPLE TAKEN |
| Depths & thi Fresh, Clear Depths gas en Type & amount Depths anodes | , Salty, Sulphum ncountered: t of coke breeze s placed: <u>365', 35</u> | N/A N/A used: | 60' & 200' 3500 lbs. | SAMPLE TAKEN |
| Depths & thi Fresh, Clear Depths gas e: Type & amoun Depths anode: Depths vent p | , Salty, Sulphus ncountered: t of coke breeze s placed: <u>365', 35</u> pipes placed: | r, Etc N/A ≥ used: 5', 345', 330', 400' | 60' & 200' 3500 lbs. 320', 310', 30 | SAMPLE TAKEN 00', 255', 245', ECEIVE |
| Depths & thi Fresh, Clear Depths gas e: Type & amount Depths anode: Depths vent p Vent pipe per | , Salty, Sulphum ncountered: t of coke breeze s placed: <u>365', 35</u> pipes placed: forations: | N/A ≥ used: 15', 345', 330', 400' 320' | 60' & 200' 3500 lbs. 320', 3ro', 30 | SAMPLE TAKEN 00', 255', 245', EGEIVE MAX 31 1991. |
| Depths & thi Fresh, Clear Depths gas e: Type & amoun Depths anode: Depths vent p Vent pipe per Remarks: <u>gb</u> | <pre>, Salty, Sulphus ncountered: t of coke breeze s placed:<u>365', 35</u> pipes placed: rforations: #1</pre> | N/A N/A used: 5', 345', 330', 400' 320' | 60' & 200' 3500 lbs. 320', 310', 30 | SAMPLE TAKEN 00', 255', 245', E G E I V E HAY 31 1991. IL CONI. DIV. |

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

٠

.

.

Received by OCD: 7/25/2022 6:05:24 PM El Paso Matural Gas Company

Form 7-238 (Rev. 11-71)

:1

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

Page 30 of 74

| Drilling Log (Attach Here | to). | | 2"×60 | ∧ | Completion Date 9-12-80 | | | | | |
|--|----------------------|----------------|----------------------------|----------------|-------------------------|----------------------|-------------------|-----------------|--|--|
| Well Name Sunray BriA | ŧ A [#] 3 | Loca | NW15- | 30-1D | CPS No. | Ŵ | | | | |
| Type & Size Bit Used 63/4 Rock | | ł | · | | | Work Order 57473- | No. -21 \$ 548 | 344-19 | | |
| Anode Hole Depth 405 Log 405 | Total Drilling Ri | g Time To | tal Lbs. Coke U 3 5 0 0 | sed Lost Cir | culation Mat'l U | sed No. Sacks N | Aud Used | | | |
| Anode Depth # 1 365 # 2 35 | ¶ _{# 3} 345 | * 4 330 | = 5 320 | ≈ 6 3/D | = 7 300 | = 8 255 | = 9 245 | # 10 235 | | |
| Anode Output (Amps) # 1 2.5 # 2 2.9 | # 3 2.] | ± 4 2.4 | ± 5 3. 3 | ÷ 6 3.7 | #-7- 2.7 | ···· 3.0 | ± 9 3.4 | # 10 3.6 | | |
| Anode Depth # 11 # 12 | # 13 | ⊭ 14 | # 15 | # 16 | # 17 | ≉ 18 | ≓ 19 | ± 20 | | |
| Anode Output (Amps) + + 11 + 12 | ± 13 | ¦≈ 14 | ¦≉ 15 | # 16 | ¦≈ 17 | ÷ 18 | = 19 | i # 20 | | |
| Total Circuit Resistance Volts 2.) | mps 14.8 | Ohms | 82 | No. 8 C.P. Co | ible Used | | No. 2 C.P. Ca | ole Used | | |
| Remarks: STATIC 4 | 6 600'E=. | 80 u-god | d (IA) \$ | 5+%=.8 | 4 u-good | (#3) | | | | |
| Driller SAID | WATER A. | т 200' с | Aught V | NATER S | Ample | Drilled - | to 400' | Hole | | |
| cAvedwhile | DriLLin | g wen | Tin to | LEANE | & Hole | caved | AgAin | DRILLed | | |
| Becond hol | e with | MUD | to 405' | Log 40 | 5 INS | T 400'V | ENT Pij | 0e | | |
| with 320' | erf. s | Lurrie | ed 35 | SALKS | OFCI | oke | | • | | |
| | | | | | | | | | | |
| STUB POLE V | | | | | | All Constru | ction Complete | ed. | | |
| Hole Depth= -9 | 51 | | | | <u>Л</u> [| $h \Lambda \Lambda$ | 1.1 | | | |
| Ditch & cable = 22 PXTRA cable = 17 | 191 | | | | Kal | TY D | And gnature) | ····· | | |
| TIME Reso | <u>.т.</u> | G | ROUND BED | | тсн | | | #3 | | |

9-10-80 8 1 9-11-80 8 9-12-80 8 5 AGP 159 N 153333 DISTRIBUTION: WHITE - Division Corrosion Office 6455 YELLOW - Area Corrosion Office PINK ~ Originator File

Released to Imaging: 9/13/2022 9:45:21 AM

. .

| l by OCDFo7/25/2922 6:95:24 PM | r HVA | | EL | PASO NA | TURAL GAS COMPA | NY | | | | | Page 31 |
|---------------------------------------|-------------------------------|------------|------------|------------------|--|--------------|---------------|----------|-----------|--|---------------------------------------|
| Sunray | # #3 | Three C | Driller | A | ANG DEP ARTMENT | 2 | CBI | 469 | W | DAILY DRILLING REF | PORT |
| LEASE NW 15-30 | WELL NO. | CONTRACT | OR | - <u>)</u> | RIC | G NO. | REP | ORT N | 51413 | DATE Sept 12 | 19 80 |
| мо | RNING | | | DAYLI | GHT | | | | 5711E | VENING | |
| Driller Kevin Burg | e Total Men In Crew | Driller | | | l'otal Men In C | rew | Driller | | | Total Men In Cre | w |
| FROM TO | FORMATION WT-BIT | R.P.M. FRC | ом | ro | FORMATION | WT-BIT R.P.N | 1. FROM | | <u>†0</u> | FORMATION | WT-BIT R.P.M. |
| <u> </u> | SANdstone WAlevsand | shale | | | | | | | | | |
| 100 120 | bentonite | | | | | | | | | | |
| 120 700 | SANDSPORE WATCH SAN | <u>\0</u> | | | , | | | | | | |
| 100 260 | NO. DC SIZE LEN | G. | | | | LENG. | | I | ····· | | |
| | | G BIT NO | | | | | BIT NO. | | | | |
| SER NO. | NO. DO SIZE EEN | SERIAL | NO. | annari aifeiri (| STANDS | | SERIAL NO. | | | ST ANDS | LENG |
| SIZE 624 | SINGLES | SIZE | | | SINGLES | | SIZE | | | SINGLES | |
| TYPE | DOWN ON KELLY | TYPE | | • | DOWN ON KELLY | | TYPE | | | DOWN ON KELLY | |
| MAKE | TOTAL DEPTH | MAKE | | | TOTAL DEPTH | | MAKE | | | TOTAL DEPTH | |
| MUD RECORD | MUD, ADDITIVES USED AND RECEI | VED | MUD RECORD | M | IUD, ADDITIVES USED AN | ND RECEIVED | DUM | RECORE | | MUD, ADDITIVES USED AND | RECEIVED |
| Time Wt. Vis. | ~ | Tim | e Vit. | V1S. | | | Time | wt. | Vis. | | |
| | | | | | | 1 | | | | | |
| | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | | | | |
| FROM TO | TIME BREAKDOWN | FROM | и то | | TIME BREAKDOW | N • | FROM | то | | TIME BREAKDOWN | |
| 240 300 5 | Indstone | | | | | | | | | | |
| 300 370 shi | ale, | | | <u> </u> | | | | | | An year of March 2 March 2 March 2 | |
| 310 405 SAV | dstone | | | | | | | | | ······································ | |
| | | | | | | | | | _ | | |
| | | | | | | | | | | | · · · · · · · · · · · · · · · · · |
| | - + 10/1 200 - | 7 | | <u> </u> | ······································ | | | | | | |
| REMARKS - WAC | YOK GU & LUU | 19pm REMA | ARK 5 - | | | | REMARK | 5- | | , | |
| vijgca | | | | | | | | | | | |
| | | | | | | | | | | anna ha chuir an | |
| · · · | | | | <i>***</i> **** | ۰. | | ····· | | | and a second | |
| · · · · · · · · · · · · · · · · · · · | ······ | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | , | | | |
| | | | | | | | <u>l</u> | | | | <u></u> |
| | | SIGNED Too | Luncher Ke | win P | IAT OPP. | | Coundry Super | VISOF | | | |

. .

Ţ

-1

El Paso Natural Gas Company ENGINEERING CALCULATION

| ived by PCD: 77 | (25/2022 6:05:24 PM | El Paso Natural G ENGINEERING C | as Company CALCULATION | | Page 32 of 7 Sheet: 9-10-8 C Date: 9-10-8 C By: PLB | | |
|--|---|---|---|--|--|--|--|
| | 1469W SUMRAY A SUNRAY | 3 NW15-30-10 | 57473-21 54844 -19 | 5+%E=,80 4=good 5+%s =,84 4=0k | File <u>1469</u> +1 BE 9-10= 9-11= { 9-12=1 | | |
| MW gais/mol 16.04 C1 64 30.07 C2 10.12 44.10 C3.10.42 58.12 nC4 11.93 72.15 IC5 13.85 72.15 nC5 13.71 86.18 IC6 15.57 100.21 IC7 17.2 100.21 IC7 17.2 100.21 IC7 17.46 114.23 C8 19.39 28.05 C2 ² 9.64 42.08 C3 ² 9.67 9.67 9.67 | $ \begin{array}{c cccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | Drin CAN HO OE FIR BA OF LOT Dri MU UN SL | Ler SAID WAter 1ght Water SAM D Logged 340. I 1000 per With 1000 per BLEW SAND Logge 39/NG ANODES 250' MO VED LL SECOND A D DRILLED 40 5. (NST 400' Th 320' PERF URRED 35 SA 1000 PERF URRED 35 SA | AT 200' ple Drilled HET FT IN WENT IN WENT I OUT ALOT d A GAIN STOPPED OUER TO OLE WITH 5 Logged UENT PIPE ICKS COKE | | |
| 34.08 H2S 517 28.01 N2 4.16 2 02 H2 3 38 | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 3.7 2.1 3.0- 2.7 2.5- 2.7- 2.7- 2.7- 2.7- 2.7- 2.7- 2.7- 2.7- 2.7- 2.7- | (9) 3 (9) 3 (9) 3 (9) 3 (9) 7 (9) 7 | $20 - 2.5 - 3.3$ $310 - 2.7 - 3.7$ $300 - 1.9 - 2.7$ $155 - 2.3 - 3.0$ $145 - 2.5 - 3.4$ $135 - 2.8 - 3.6$ $1 \times 14.8 A = .82 ob$ | | | |

.

....

.

• •

3

• •

Page 33 of 74

.

EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEW MEXICO PRODUCTION DEPARTMENT WATER ANALYSIS

| Analysis No. <u>1-10062</u> | | | Date | | 12-2-80 | ····· | | | | |
|---|----------------------------|------|--|------------------------------------|---------|-------|------|---------|------|--|
| Operator_ <u>F1_Paso_Natural_Gas</u> | | | Well Name Sunray B #1A | | | | | | | |
| Location <u>NW 15-30-10</u> | | | County San Juan State New Mexico | | | | | | | |
| FieldKutz | | | Formation | | | | | | | |
| Sampled Fre | | | <u></u> | | | | | | | |
| Date Sampled 9-10-80 | | | ByRobert Babnick | | | | | | | |
| Tbg. Press | Surface Csg. Press | | | | | | | | | |
| Sodium | . ppm epm Sodium 54 2.4 | | | Chloride 24 epm Chloride 24 0.7 | | | | | | |
| Calcium | Calcium <u>276</u> 13.8 | | | Bicarbonate 120 2.0 | | | | <u></u> | | |
| Magnesium_766.3 | | | Sulfate 950 | | | | 19.8 | | | |
| Iron | | | Carbonate 0 0 | | | | | | | |
| H ₂ S | | | Hydroxide0 . | | | | • | | | |
| cc: C.B. O'Nan R.A. Ullrich E.R. Paulek | | | Total Solids Dissolved 1774 | | | | | | | |
| | | | pH8.0 | | | | | | | |
| A.M. Smith | | | Sp. Gr9954 At 60°F | | | | | | | |
| D.C. Adams | | | Resistivity 455 ohm-cm at 770 _F | | | | | | | |
| File | | | | _ Pennic Fict | | | | | | |
| | | | | | Une | EIST. | ЛВ | | | |
| 25 | 20 15 | 10 5 | c |) 5 | 10 | 15 | 20 | 25 | - | |
| 20 Na | | | 11 | | | | | | τu | |
| 6.2 | | | | | | | | reo- | , 10 | |
| Ya | | | | | | | | | 10 | |
| Fe | | | | | | | | | 4 | |
| Scale: ep= | | | | | | | | | | |

Released to Imaging: 9/13/2022 9:45:21 AM



APPENDIX D

NMOCD Sampling Notification

| From: | Velez, Nelson, EMNRD | | | | |
|--------------|---|--|--|--|--|
| To: | Stuart Hyde; Enviro, OCD, EMNRD | | | | |
| Cc: | Devin Hencmann; Mitch Killough; jbrooks@hilcorp.com | | | | |
| Subject: | RE: [EXTERNAL] nAPP2212649502 - Sunray B 1B Delineation Sampling Notification | | | | |
| Date: | Thursday, June 23, 2022 7:33:28 AM | | | | |
| Attachments: | image001.png image002.png image003.png image004.png | | | | |

[**EXTERNAL EMAIL**]

Stuart,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed with your sampling. For whatever reason, the sample collection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of the rescheduling may result in the sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, notifications for sampling or drilling event(s), and request for time extension(s) or variance(s).

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@state.nm.us</u>

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur. 7:00-11:00 am & 12:00-4:00 pm Fri.

From: Stuart Hyde <shyde@ensolum.com>
Sent: Wednesday, June 22, 2022 4:42 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Enviro, OCD, EMNRD
<OCD.Enviro@state.nm.us>
Cc: Devin Hencmann <dhencmann@ensolum.com>; Mitch Killough <mkillough@hilcorp.com>;
jbrooks@hilcorp.com

Subject: [EXTERNAL] nAPP2212649502 - Sunray B 1B Delineation Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

On behalf of Hilcorp, we are submitting this delineation soil sampling notification for the Sunray B 1B site located at coordinates 36.814852, -107.874352. Drilling and soil sampling will take place on June 27 and 28, 2022 beginning at 9:00 AM. We will keep you informed of any changes to this schedule. Please reach out with any questions regarding the upcoming sampling. Thank you.



Stuart Hyde, LG Senior Geologist 970-903-1607 Ensolum, LLC in f


APPENDIX E

Field Boring Logs

Received by OCD: 7/25/2022 6:05:24 PM Page 38 of 74 BORING LOG NUMBER Hilcorp Client: BIB Project Name: Sunray BHC Project Location: San Juan County Project Manager: Stuart Hyde 07A 1988042 NSOLUM Project No. P Borehole Diameter: Ground Surface Elevation: 27-72 Casing Diameter: Well Materials: _ Top of Casing Elevation: North Coordinate: 6-Date Sampled: EDI Surface Completion: Drilled by: HSA West Coordinate: Boring Method: _ Driller Bench Mark Elevation: Logged by: Sampler: FOSOIUM CME-75 At Completion At Well Stabilization E. Carroll GEOLOGIC LOG SYMBOL BORING / WELL COMPLETION (GRAPHIC DEPICTION) FID/PID READING (pp METRIC SURFACE SAMPLE DITERV AL RECOVERY (%) GEOLOGIC DESCRIPTION SAMPLE (U) HLAHQ moist, soft, red brown, Coarse Sand BHOI trace sile no Grain/odor 100 0.8 0-5 0-5 Moist, 50+5, 1005e, White course Sand, trace Silt rust mottling BHC no stainlodor 2.9 5-10 100 5-10 11:50 Moist, 1005e, white course Sand BHE few bicck erganic clay, no 100 1.3 10-15 10-15 Stain/ odor Moist, black organic lay, firm BHO 0.7 non-plastic, some white cealsu 100 15-20 5-20 Sand no Stain lodov 12:10 25

HILCOIP BORING LOG NUMBER Client: Project Name: ____ SUNTAY BIB in the set in in the two B1102/SVE03 Project No. 0741959642 Project Location: Son Juan county Project Manager: Stwart Hyde 6-27 Ground Surface Elevation: Date Sampled: **Borehole Diameter:** Top of Casing Elevation: Drilled by: EDI Casing Diameter: Driller: North Coordinate: Well Materials: West Coordinate: Logged by: Ensque Surface Completion: Bench Mark Elevation: Sampler: Boring Method: HSA E.Carlon At Completion At Well Stabilization CME - 75 GBOLOGIC CIA/CIA SAMPLE DITERVAL RECOVERY (%) SAMPLE METRIC (W) BORING / WELL COMPLETION **OEOLOGIC DESCRIPTION** (GRAPHIC DEPICTION) TD= 30' Screen 25'-10' (m/y 1-10'blmk left) Send= 25-8' XXXXX XX moise, loose, Soft, red brown BHO7 100 1.2 course Sand, trace site X No Stainloday XX 9.9 4 4A no stainlodar 100 4 X 100 SAA no Staintodar 1.0 6.4 Resusal @13' White Coorse sand 10150, 1- brown / white coulse 15-20 80 293 Sand NO Stain Slight odor Dry, It. brown Sand, some BHOZ 100 20-25 20-75 135 5.10 NO Stain lodor 25 BHO) AXA SAA NO Spain lodar Bernite 98.7 70 25 30 25-30

HILCORP BORING LOG NUMBER Client: BIB Project Name: Sunray B1103 ENSOLUM Project Location: San 7 Project Manager: Source Juon Hyde Project No. 074 1989047 Borehole Diameter: Ground Surface Elevation: 6-27 Date Sampled: Casing Diameter: Top of Casing Elevation: Drilled by: Driller: EDI Well Materials: North Coordinate: Surface Completion: West Coordinate: Logged by: Sampler: - carron Bench Mark Elevation: At Completion At Well Stabilization Boring Method: CONTRI GEOLOGIC LOG SYMBOL POTENTIO-METRIC SURFACE SAMPLE INTERVAL SAMPLE FID/PID READING (pr RECOVER BORING / WELL COMPLETION (GRAPHIC DEPICTION) DLITTIL 100 **GEOLOGIC DESCRIPTION** 0 Bito3 Moist, 100se, 1t. brown medium 0,5 100 1.1 Sand few silt no stain/oday 12:40 BH03 SAA, NO Stain [0101 100 5-10 0.9 5-10 10 SAA no stainlador 10-15 BA03 100 0.0 10-15 15 White, coarse, sand (weachered PH03 Sand Stone) NO Stain/Adar 15-20 15-20, 0,0 60 13:10 20 -25

 M
 Scanned with CamScanner

| E | ELNSOLUM | | Clier Projec Projec Projec | t Name: Sunray BIB t Location: San Juan t Manager: Sturt Hyde | BORING LOG NUMBER BHO 4/SUED Project No. 0741988042 | | | |
|---|----------------------------|-------------------------|-------------------------------------|---|---|--|---|--|
| Date Sam Drilled by Driller: Logged by Sampler: | npled: y: y: | G EL E. C | 27 DF Carro | 0v u | | Ground Top of North C West C Bench At | I Surface Elevation: | Borehole Diameter: Casing Diameter: Well Materials: Surface Completion: Boring Method: |
| Di.F.N. | SAMPLE INTERVAL | SAMPLE | RECOVERY (%) | FID/PID READING (ppm) | POTENTIO- METRIC SURFACE | GEOLOGIC LOG SYMBOL | GEOLOGIC DESCRIPTION | BORING / WELL COMPLETION (GRAPHIC DEPICTION) |
| | | | | | | | TD: 30' Screen=16'-0 | c' M |
| ° | 6-5 | Вноч 0-5 | 100 | 4087 | | | laose, moise, red brown, Sand no Geain, Sligne O | med XXXXXX |
| | 5-10 | 14:00 | 100 | 4702 | | | SAA Strong Odor | |
| 0 | 15-15 | 10-15 14:05 | 400 | 4629 | | | white, course, sand, wea 55 no socia, slight Do | thered in the second |
| 5 | 15-20 | E1104 15-20 14:07 | 100 | 267 | | | | |
| | 7 0- 3 5 | Вной 20-75) 14:12 | 100 | 126 | | | Gray, medium Sand, 10 Si Odor | |
| 5 | 25-30 | Biton (| 60 | 97 | | | | 650 |

Released to Imaging: 9/13/2022 9:45:21 AM

| | | | 141 | Client: Project Name: Project Location: Project Manager: | | BORING LOG NUMBER BHOS / SVEO 2 Project No. | | | |
|--|--------------------|-----------------|-----------------|--|--------------------------------|--|---|---|---|
| Date Sam Drilled by Driller: Logged b Sampler: | npled: y: y: | | | | | Ground Top of North C West C Bench I At At | Surface Elevation:Casing Elevation:Coordinate:oordinate:Oordinate:Oordinate:Oordinate:CompletionCompletion Well Stabilization | Borehole D Casing Dia Well Mater Surface Co Boring Me | Diameter: |
| Distrij (11) | SAMPLE INTERVAL | SAMPLE | RECOVERY (%) | FID/PID READING (ppm) | POTENTIO- METRIC SURFACE | GEOLOGIC LOG SYMBOL | GEOLOGIC DESCRIPTION | | BORING / WELL COMPLETION (GRAPHIC DEPICTION) |
| | | | | | | | Screen 16'-6' | | |
| 0 | 0.5 | BHUS O-S | 100 | 5,7 | | | moiso, loose, red brown, NO Stain/odor | Sand | |
| s | 5-10 | 13405 5-10 | 100 | 14.5 | | | White, moise, coorse san no Stain/odor | rel | |
| | 10-15 | Вни5 10-15 | 100 | 10.7 | | | lt brown, moise, coarse so no stain/odor | and | |
| 11111111 | 15-20 | 8405 15-20 | 100 | 4.6 | | | SAA no Stain/odos | | Benton.b |
| 20 | J 0.95 | Py-105 20-25 | юи | 0,9 | | | Moise gray/white, med- band No stain/odor | coarse | Backtill |
| 25 | 25-Z | 8405 25-30 | | 0.8 | | | SAA NO Stain/odo | r | |

| Received by | OCD: | 7/25/2022 | 6:05:24 PM |
|-------------|------|-----------|------------|
|-------------|------|-----------|------------|

| Date Sam Drilled by Driller: Logged by Sampler: | npled: y: ny: | NS EP En | 8/2 E | L U z | M | Clier Projec Projec Projec Ground Top of North (West C Bench 1 & At & At | ht: HIW P t Name: Sm my BIB t Location: Sh Jun County t Manager: Stunt Hyde I Surface Elevation: Costing Elevation: Coordinate: Mark Elevation: Completion Well Stabilization | Borehole Casing Di Well Mate Surface C Boring M | BORING LOG NUMBER 1314 0 6 Project No. Diameter: iameter: erials: ompletion: ethod: h.M. Stern angle |
|---|---------------------|----------------|-----------------|--------------------------|--------------------------------|---|--|---|---|
| DEFTH (ft) | SAMPLE INTERVAL | SAMPLE | RECOVERY (%) | FID/PID READING (ppm) | POTENTIO- METRIC SURFACE | GEOLOGIC CEOLOGIC | GEOLOGIC DESCRIPTION | | BORING / WELL COMPLETION (GRAPHIC DEPICTION) |
| LILL | | | | | | | | | Buch Fill |
| • | 05 | | 100 | 3.5 | | | red-brown send | | |
| 5 | 5-10 | | 100 | 2.1 | | | \$AA | | |
| | 10-15 | | 100 | 4,2 | | | SAA | | |
| 5 | 5-20 | | 00 | 3.2 | | | SAA | | |
| | ,-25 | 1. | JO | 9. L | | | white soul | | |
| -25 | 5-30 | 1 | 00 | 1.8 | | - | SAA | | |

Released to Imaging: 9/13/2022 9:45:21 AM

Client: Hilcorg BORING LOG NUMBER Smira, B/B Sm Jum C. Shut Hyle ENSOLUM Project Name: **m** Conty BH07 Project Location: Project Manager: Project No. 0741989042 6/28 E DI /22 Date Sampled: Ground Surface Elevation: Borehole Diameter: Drilled by: Top of Casing Elevation: Casing Diameter: Driller: North Coordinate: Well Materials: Face Honson Logged by: West Coordinate: Surface Completion: Sampler: Bench Mark Elevation: Boring Method: At Completion At Well Stabilization FID/PID READING (ppm) GEOLOGIC LOG SYMBOL SAMPLE INTERVAL RECOVERY (%) POTENTIO-METRIC SURFACE SAMPLE (U) BORING / WELL COMPLETION GEOLOGIC DESCRIPTION (GRAPHIC DEPICTION) Bach Fill tim, nd - course send w/ silt No s/o 1.4 ton - brown , SAA Nº 5/0 0.9 brown, Fine - nd sund, OCCUSIONAL CONFRE W/ >25% 6.14 No 510 1.2 ten - Brown fine - comie sand trace silt N 510 0.9 SAA w/ consolidated, course grand is strager, No S/O 3.6 Refusal @ 22'



APPENDIX F

Laboratory Analytical Reports



July 14, 2022

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Sunray B 1B

OrderNo.: 2206F42

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 20 sample(s) on 6/29/2022 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

Sunray B 1B

2206F42-001

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH01 5-10 Collection Date: 6/27/2022 11:50:00 AM Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL (| Qual Units | DF | Date Analyzed | |
|-------------------------------------|---|----------|------------|----|----------------------|--|
| EPA METHOD 8015M/D: DIESEL RANGE OR | EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/7/2022 9:49:37 AM | |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/7/2022 9:49:37 AM | |
| Surr: DNOP | 81.3 | 51.1-141 | %Rec | 1 | 7/7/2022 9:49:37 AM | |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: NSB | |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 7/1/2022 10:35:23 PM | |
| Surr: BFB | 93.0 | 37.7-212 | %Rec | 1 | 7/1/2022 10:35:23 PM | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | |
| Benzene | ND | 0.025 | mg/Kg | 1 | 7/1/2022 10:35:23 PM | |
| Toluene | ND | 0.050 | mg/Kg | 1 | 7/1/2022 10:35:23 PM | |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 7/1/2022 10:35:23 PM | |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 7/1/2022 10:35:23 PM | |
| Surr: 4-Bromofluorobenzene | 87.3 | 70-130 | %Rec | 1 | 7/1/2022 10:35:23 PM | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: JMT | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/5/2022 11:42:31 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

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 24

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH01 15-20 Collection Date: 6/27/2022 12:10:00 PM

| Project: | Sunray B 1B | Collection Date: 6/27/2022 12:10:00 PM | | | | | | | |
|----------|------------------------|--|-------------------------------------|----------|----|---------------------|--|--|--|
| Lab ID: | 2206F42-002 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | |
| Analyses | | Result | RL Qua | al Units | DF | Date Analyzed | | | |
| EPA ME | THOD 8015M/D: DIESEL R | ANGE ORGANICS | | | | Analyst: SB | | | |
| Diesel R | ange Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/6/2022 7:42:25 PM | | | |
| Motor O | I Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/6/2022 7:42:25 PM | | | |
| Surr: | DNOP | 94.0 | 51.1-141 | %Rec | 1 | 7/6/2022 7:42:25 PM | | | |
| EPA ME | THOD 8015D: GASOLINE F | RANGE | | | | Analyst: BRM | | | |
| Gasoline | e Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 7/1/2022 3:39:00 PM | | | |
| Surr: | BFB | 95.8 | 37.7-212 | %Rec | 1 | 7/1/2022 3:39:00 PM | | | |
| EPA ME | THOD 8021B: VOLATILES | | | | | Analyst: BRM | | | |
| Benzene |) | ND | 0.024 | mg/Kg | 1 | 7/1/2022 3:39:00 PM | | | |
| Toluene | | ND | 0.049 | mg/Kg | 1 | 7/1/2022 3:39:00 PM | | | |
| Ethylben | izene | ND | 0.049 | mg/Kg | 1 | 7/1/2022 3:39:00 PM | | | |
| Xylenes, | Total | ND | 0.097 | mg/Kg | 1 | 7/1/2022 3:39:00 PM | | | |
| Surr: | 4-Bromofluorobenzene | 91.0 | 70-130 | %Rec | 1 | 7/1/2022 3:39:00 PM | | | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst: NAI | | | |
| Chloride | | ND | 59 | mg/Kg | 20 | 7/6/2022 1:52:22 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 24

Sunray B 1B

Project:

Analytical Report Lab Order 2206F42

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH02 5-10 Collection Date: 6/27/2022 12:20:00 PM Received Date: 6/29/2022 6:30:00 AM

| Lab ID: 2206F42-003 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | |
|--------------------------------|--------------|--|----------|----|---------------------|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | |
| EPA METHOD 8015M/D: DIESEL RAN | IGE ORGANICS | | | | Analyst: SB | | |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/6/2022 7:56:48 PM | | |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/6/2022 7:56:48 PM | | |
| Surr: DNOP | 95.5 | 51.1-141 | %Rec | 1 | 7/6/2022 7:56:48 PM | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst: BRM | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/1/2022 4:19:00 PM | | |
| Surr: BFB | 94.3 | 37.7-212 | %Rec | 1 | 7/1/2022 4:19:00 PM | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 7/1/2022 4:19:00 PM | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 4:19:00 PM | | |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 4:19:00 PM | | |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 7/1/2022 4:19:00 PM | | |
| Surr: 4-Bromofluorobenzene | 88.7 | 70-130 | %Rec | 1 | 7/1/2022 4:19:00 PM | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/6/2022 2:04:47 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 24

Project: Sunray B 1B

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH03 0-5 Collection Date: 6/27/2022 12:40:00 PM

| Lab ID: 2206F42-004 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | |
|--------------------------------|--------------|-------------------------------------|----------|----|---------------------|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANICS | | | | Analyst: SB | | |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/6/2022 8:11:11 PM | | |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/6/2022 8:11:11 PM | | |
| Surr: DNOP | 96.6 | 51.1-141 | %Rec | 1 | 7/6/2022 8:11:11 PM | | |
| EPA METHOD 8015D: GASOLINE RAM | IGE | | | | Analyst: BRM | | |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/1/2022 4:39:00 PM | | |
| Surr: BFB | 95.4 | 37.7-212 | %Rec | 1 | 7/1/2022 4:39:00 PM | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 4:39:00 PM | | |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 4:39:00 PM | | |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 4:39:00 PM | | |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 7/1/2022 4:39:00 PM | | |
| Surr: 4-Bromofluorobenzene | 87.2 | 70-130 | %Rec | 1 | 7/1/2022 4:39:00 PM | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/6/2022 2:17:11 PM | | |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 24

Sunray B 1B

2206F42-005

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH03 15-20 Collection Date: 6/27/2022 1:10:00 PM

Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|--------------------------------------|--------|----------|----------|----|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS | | | | Analyst: SB |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/6/2022 8:25:11 PM |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/6/2022 8:25:11 PM |
| Surr: DNOP | 98.5 | 51.1-141 | %Rec | 1 | 7/6/2022 8:25:11 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/1/2022 4:59:00 PM |
| Surr: BFB | 91.1 | 37.7-212 | %Rec | 1 | 7/1/2022 4:59:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 4:59:00 PM |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 4:59:00 PM |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 4:59:00 PM |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 7/1/2022 4:59:00 PM |
| Surr: 4-Bromofluorobenzene | 87.3 | 70-130 | %Rec | 1 | 7/1/2022 4:59:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI |
| Chloride | ND | 60 | mg/Kg | 20 | 7/6/2022 2:29:36 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 24

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH04 5-10

| Project: | Sunray B 1B | Collection Date: 6/27/2022 2:00:00 PM | | | | | | |
|----------|-------------------------|---------------------------------------|-------------------------------------|------|-------|----|---------------------|--|
| Lab ID: | 2206F42-006 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | |
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed | |
| EPA ME | THOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | | Analyst: SB | |
| Diesel R | ange Organics (DRO) | 4100 | 140 | | mg/Kg | 10 | 7/7/2022 3:30:01 PM | |
| Motor O | I Range Organics (MRO) | 870 | 480 | | mg/Kg | 10 | 7/7/2022 3:30:01 PM | |
| Surr: | DNOP | 0 | 51.1-141 | S | %Rec | 10 | 7/7/2022 3:30:01 PM | |
| EPA ME | THOD 8015D: GASOLINE R | ANGE | | | | | Analyst: BRM | |
| Gasoline | e Range Organics (GRO) | 2300 | 97 | | mg/Kg | 20 | 7/1/2022 5:18:00 PM | |
| Surr: | BFB | 285 | 37.7-212 | S | %Rec | 20 | 7/1/2022 5:18:00 PM | |
| EPA ME | THOD 8021B: VOLATILES | | | | | | Analyst: BRM | |
| Benzene | 9 | 0.74 | 0.48 | | mg/Kg | 20 | 7/1/2022 5:18:00 PM | |
| Toluene | | 56 | 0.97 | | mg/Kg | 20 | 7/1/2022 5:18:00 PM | |
| Ethylben | izene | 17 | 0.97 | | mg/Kg | 20 | 7/1/2022 5:18:00 PM | |
| Xylenes, | Total | 160 | 1.9 | | mg/Kg | 20 | 7/1/2022 5:18:00 PM | |
| Surr: | 4-Bromofluorobenzene | 205 | 70-130 | S | %Rec | 20 | 7/1/2022 5:18:00 PM | |
| EPA ME | THOD 300.0: ANIONS | | | | | | Analyst: NAI | |
| Chloride | | ND | 60 | | mg/Kg | 20 | 7/6/2022 2:42:01 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 24

Sunray B 1B

Project:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

Client Sample ID: BH04 10-15 Collection Date: 6/27/2022 2:05:00 PM Received Date: 6/29/2022 6:30:00 AM

| Lab ID: 2206F42-007 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | |
|--------------------------------|--------------|--|------|-------|----|---------------------|--|
| Analyses | Result | RL (| Qual | Units | DF | Date Analyzed | |
| EPA METHOD 8015M/D: DIESEL RAN | IGE ORGANICS | | | | | Analyst: SB | |
| Diesel Range Organics (DRO) | 1400 | 29 | | mg/Kg | 2 | 7/7/2022 3:01:17 PM | |
| Motor Oil Range Organics (MRO) | 360 | 95 | | mg/Kg | 2 | 7/7/2022 3:01:17 PM | |
| Surr: DNOP | 79.3 | 51.1-141 | | %Rec | 2 | 7/7/2022 3:01:17 PM | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analyst: RAA | |
| Gasoline Range Organics (GRO) | 450 | 97 | D | mg/Kg | 20 | 7/5/2022 9:35:00 AM | |
| Surr: BFB | 240 | 37.7-212 | SD | %Rec | 20 | 7/5/2022 9:35:00 AM | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: RAA | |
| Benzene | ND | 0.49 | D | mg/Kg | 20 | 7/5/2022 9:35:00 AM | |
| Toluene | 1.0 | 0.97 | D | mg/Kg | 20 | 7/5/2022 9:35:00 AM | |
| Ethylbenzene | 2.2 | 0.97 | D | mg/Kg | 20 | 7/5/2022 9:35:00 AM | |
| Xylenes, Total | 18 | 1.9 | D | mg/Kg | 20 | 7/5/2022 9:35:00 AM | |
| Surr: 4-Bromofluorobenzene | 117 | 70-130 | D | %Rec | 20 | 7/5/2022 9:35:00 AM | |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: NAI | |
| Chloride | ND | 60 | | mg/Kg | 20 | 7/6/2022 2:54:26 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 24

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH04 15-20

| Project: | Sunray B 1B | | Collection Date: 6/27/2022 2:07:00 PM | | | | | | |
|------------|------------------------|---------------|---------------------------------------|------------|--------|---------------------|--|--|--|
| Lab ID: | 2206F42-008 | Matrix: SOIL | Rece | ived Date: | 6/29/2 | 022 6:30:00 AM | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | | | |
| EPA MET | HOD 8015M/D: DIESEL RA | ANGE ORGANICS | | | | Analyst: SB | | | |
| Diesel Ra | nge Organics (DRO) | 190 | 15 | mg/Kg | 1 | 7/7/2022 2:46:59 PM | | | |
| Motor Oil | Range Organics (MRO) | 65 | 49 | mg/Kg | 1 | 7/7/2022 2:46:59 PM | | | |
| Surr: D | NOP | 85.5 | 51.1-141 | %Rec | 1 | 7/7/2022 2:46:59 PM | | | |
| EPA MET | HOD 8015D: GASOLINE F | RANGE | | | | Analyst: RAA | | | |
| Gasoline F | Range Organics (GRO) | 43 | 23 | mg/Kg | 5 | 7/5/2022 9:55:00 AM | | | |
| Surr: Bl | FB | 153 | 37.7-212 | %Rec | 5 | 7/5/2022 9:55:00 AM | | | |
| EPA MET | HOD 8021B: VOLATILES | | | | | Analyst: RAA | | | |
| Benzene | | ND | 0.12 | mg/Kg | 5 | 7/5/2022 9:55:00 AM | | | |
| Toluene | | ND | 0.23 | mg/Kg | 5 | 7/5/2022 9:55:00 AM | | | |
| Ethylbenze | ene | ND | 0.23 | mg/Kg | 5 | 7/5/2022 9:55:00 AM | | | |
| Xylenes, T | otal | 1.2 | 0.47 | mg/Kg | 5 | 7/5/2022 9:55:00 AM | | | |
| Surr: 4- | Bromofluorobenzene | 98.8 | 70-130 | %Rec | 5 | 7/5/2022 9:55:00 AM | | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analyst: NAI | | | |
| Chloride | | ND | 60 | mg/Kg | 20 | 7/6/2022 3:31:40 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 24

.

Project: Sunray B 1B

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

Client Sample ID: BH04 25-30 Collection Date: 6/27/2022 2:15:00 PM Received Date: 6/29/2022 6:30:00 AM

| Lab ID: 2206F42-010 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | |
|--------------------------------|--------------|--|----------|----|---------------------|--|--|--|
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RAI | NGE ORGANICS | | | | Analyst: SB | | | |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/6/2022 9:35:48 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/6/2022 9:35:48 PM | | | |
| Surr: DNOP | 100 | 51.1-141 | %Rec | 1 | 7/6/2022 9:35:48 PM | | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst: BRM | | | |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 7/1/2022 6:18:00 PM | | | |
| Surr: BFB | 111 | 37.7-212 | %Rec | 1 | 7/1/2022 6:18:00 PM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 7/1/2022 6:18:00 PM | | | |
| Toluene | ND | 0.046 | mg/Kg | 1 | 7/1/2022 6:18:00 PM | | | |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 7/1/2022 6:18:00 PM | | | |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 7/1/2022 6:18:00 PM | | | |
| Surr: 4-Bromofluorobenzene | 90.6 | 70-130 | %Rec | 1 | 7/1/2022 6:18:00 PM | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/6/2022 3:44:05 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 24

.

Sunray B 1B

2206F42-011

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH05 5-10 Collection Date: 6/27/2022 3:30:00 PM

Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|---------|----------|----------|----|---------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS | | | | Analyst: SB |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/6/2022 9:49:37 PM |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 7/6/2022 9:49:37 PM |
| Surr: DNOP | 101 | 51.1-141 | %Rec | 1 | 7/6/2022 9:49:37 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/1/2022 6:38:00 PM |
| Surr: BFB | 94.4 | 37.7-212 | %Rec | 1 | 7/1/2022 6:38:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 6:38:00 PM |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 6:38:00 PM |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 6:38:00 PM |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 7/1/2022 6:38:00 PM |
| Surr: 4-Bromofluorobenzene | 88.4 | 70-130 | %Rec | 1 | 7/1/2022 6:38:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI |
| Chloride | ND | 60 | mg/Kg | 20 | 7/6/2022 3:56:30 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 24

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH06 10-15 Collection Date: 6/28/2022 9:30:00 AM

| Project: | Sunray B 1B | | Collection Date: 6/28/2022 9:30:00 AM | | | | | | | | | |
|----------|------------------------|---------------|--|-------|----|----------------------|--|--|--|--|--|--|
| Lab ID: | 2206F42-012 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | | | | |
| Analyses | | Result | esult RL Qual | | DF | Date Analyzed | | | | | | |
| EPA ME | THOD 8015M/D: DIESEL R | ANGE ORGANICS | | | | Analyst: SB | | | | | | |
| Diesel R | ange Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/6/2022 10:03:18 PM | | | | | | |
| Motor O | I Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/6/2022 10:03:18 PM | | | | | | |
| Surr: | DNOP | 108 | 51.1-141 | %Rec | 1 | 7/6/2022 10:03:18 PM | | | | | | |
| EPA ME | THOD 8015D: GASOLINE F | RANGE | | | | Analyst: BRM | | | | | | |
| Gasoline | e Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| Surr: | BFB | 92.3 | 37.7-212 | %Rec | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| EPA ME | THOD 8021B: VOLATILES | | | | | Analyst: BRM | | | | | | |
| Benzene |) | ND | 0.024 | mg/Kg | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| Toluene | | ND | 0.048 | mg/Kg | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| Ethylben | izene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| Xylenes, | Total | ND | 0.097 | mg/Kg | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| Surr: | 4-Bromofluorobenzene | 85.9 | 70-130 | %Rec | 1 | 7/1/2022 6:58:00 PM | | | | | | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst: NAI | | | | | | |
| Chloride | | 110 | 60 | mg/Kg | 20 | 7/6/2022 4:08:54 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 24

Sunray B 1B

Project:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022

Client Sample ID: BH06 25-30 Collection Date: 6/28/2022 9:40:00 AM Received Date: 6/29/2022 6:30:00 AM

| Lab ID: 2206F42-013 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | |
|--------------------------------|--------------|--|----------|----|----------------------|--|--|--|
| Analyses | Result | RL Qua | al Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RAM | NGE ORGANICS | | | | Analyst: SB | | | |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/6/2022 10:17:03 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 7/6/2022 10:17:03 PM | | | |
| Surr: DNOP | 97.6 | 51.1-141 | %Rec | 1 | 7/6/2022 10:17:03 PM | | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst: BRM | | | |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/1/2022 7:18:00 PM | | | |
| Surr: BFB | 90.2 | 37.7-212 | %Rec | 1 | 7/1/2022 7:18:00 PM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 7:18:00 PM | | | |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 7:18:00 PM | | | |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 7:18:00 PM | | | |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 7/1/2022 7:18:00 PM | | | |
| Surr: 4-Bromofluorobenzene | 84.6 | 70-130 | %Rec | 1 | 7/1/2022 7:18:00 PM | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: NAI | | | |
| Chloride | 84 | 60 | mg/Kg | 20 | 7/6/2022 4:21:19 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 24

Analytical Report
Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH02 10-15

| Project: Sunray B 1B | | Collection Date: 6/28/2022 1:15:00 PM | | | | | | | | | |
|--------------------------------|----------------|--|-------|----|---------------------|--|--|--|--|--|--|
| Lab ID: 2206F42-014 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | | | | |
| Analyses | Result | Result RL Qual | | DF | Date Analyzed | | | | | | |
| EPA METHOD 8015M/D: DIESEL | RANGE ORGANICS | | | | Analyst: ED | | | | | | |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/1/2022 5:11:14 PM | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 7/1/2022 5:11:14 PM | | | | | | |
| Surr: DNOP | 136 | 51.1-141 | %Rec | 1 | 7/1/2022 5:11:14 PM | | | | | | |
| EPA METHOD 8015D: GASOLINE | ERANGE | | | | Analyst: BRM | | | | | | |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| Surr: BFB | 90.2 | 37.7-212 | %Rec | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| EPA METHOD 8021B: VOLATILE | S | | | | Analyst: BRM | | | | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| Toluene | ND | 0.049 | mg/Kg | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| Surr: 4-Bromofluorobenzene | 85.8 | 70-130 | %Rec | 1 | 7/1/2022 9:16:00 PM | | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: LRN | | | | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/1/2022 4:44:39 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 24

Sunray B 1B

2206F42-015

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH02 15-20 Collection Date: 6/28/2022 1:18:00 PM

Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|---------|----------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS | | | | Analyst: ED |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/1/2022 6:46:58 PM |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/1/2022 6:46:58 PM |
| Surr: DNOP | 104 | 51.1-141 | %Rec | 1 | 7/1/2022 6:46:58 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/1/2022 10:16:00 PM |
| Surr: BFB | 91.5 | 37.7-212 | %Rec | 1 | 7/1/2022 10:16:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 10:16:00 PM |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 10:16:00 PM |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 10:16:00 PM |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 7/1/2022 10:16:00 PM |
| Surr: 4-Bromofluorobenzene | 86.6 | 70-130 | %Rec | 1 | 7/1/2022 10:16:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: LRN |
| Chloride | ND | 59 | mg/Kg | 20 | 7/1/2022 4:57:04 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 24

Released to Imaging: 9/13/2022 9:45:21 AM

Sunray B 1B

2206F42-016

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Date Reported: 7/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH02 20-25 Collection Date: 6/28/2022 1:22:00 PM

Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL Qua | l Units | DF | Date Analyzed |
|--------------------------------------|--------|----------|---------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst: ED |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/1/2022 7:10:46 PM |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 7/1/2022 7:10:46 PM |
| Surr: DNOP | 127 | 51.1-141 | %Rec | 1 | 7/1/2022 7:10:46 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 7/1/2022 11:15:00 PM |
| Surr: BFB | 90.1 | 37.7-212 | %Rec | 1 | 7/1/2022 11:15:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 11:15:00 PM |
| Toluene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 11:15:00 PM |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 7/1/2022 11:15:00 PM |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 7/1/2022 11:15:00 PM |
| Surr: 4-Bromofluorobenzene | 86.2 | 70-130 | %Rec | 1 | 7/1/2022 11:15:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: LRN |
| Chloride | ND | 60 | mg/Kg | 20 | 7/1/2022 5:09:28 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 15 of 24

Project: Sunray B 1B

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH07 0-5 Collection Date: 6/28/2022 1:25:00 PM

| Lab ID: 2206F42-017 | Matrix: SOIL | Received Date: 6/29/2022 6:30:00 AM | | | | | | |
|---------------------------------|--------------|-------------------------------------|----------|----|----------------------|--|--|--|
| Analyses | Result | RL Qua | al Units | DF | Date Analyzed | | | |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS | | | | Analyst: ED | | | |
| Diesel Range Organics (DRO) | ND | 14 | mg/Kg | 1 | 7/1/2022 7:34:37 PM | | | |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 7/1/2022 7:34:37 PM | | | |
| Surr: DNOP | 122 | 51.1-141 | %Rec | 1 | 7/1/2022 7:34:37 PM | | | |
| EPA METHOD 8015D: GASOLINE RAN | IGE | | | | Analyst: BRM | | | |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 7/1/2022 11:34:00 PM | | | |
| Surr: BFB | 96.0 | 37.7-212 | %Rec | 1 | 7/1/2022 11:34:00 PM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 7/1/2022 11:34:00 PM | | | |
| Toluene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 11:34:00 PM | | | |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 7/1/2022 11:34:00 PM | | | |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 7/1/2022 11:34:00 PM | | | |
| Surr: 4-Bromofluorobenzene | 86.6 | 70-130 | %Rec | 1 | 7/1/2022 11:34:00 PM | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: LRN | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 7/1/2022 5:21:53 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 24

Sunray B 1B

2206F42-018

Project:

Lab ID:

Analytical Report Lab Order 2206F42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: BH07 20-22 Collection Date: 6/28/2022 1:28:00 PM

Received Date: 6/29/2022 6:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------------|---------|----------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS | | | | Analyst: ED |
| Diesel Range Organics (DRO) | ND | 15 | mg/Kg | 1 | 7/1/2022 7:58:30 PM |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 7/1/2022 7:58:30 PM |
| Surr: DNOP | 126 | 51.1-141 | %Rec | 1 | 7/1/2022 7:58:30 PM |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 7/1/2022 11:54:00 PM |
| Surr: BFB | 89.2 | 37.7-212 | %Rec | 1 | 7/1/2022 11:54:00 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: BRM |
| Benzene | ND | 0.023 | mg/Kg | 1 | 7/1/2022 11:54:00 PM |
| Toluene | ND | 0.046 | mg/Kg | 1 | 7/1/2022 11:54:00 PM |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 7/1/2022 11:54:00 PM |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 7/1/2022 11:54:00 PM |
| Surr: 4-Bromofluorobenzene | 86.4 | 70-130 | %Rec | 1 | 7/1/2022 11:54:00 PM |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: LRN |
| Chloride | ND | 60 | mg/Kg | 20 | 7/1/2022 5:59:07 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 17 of 24

| Client: Project: | HILCO Sunray | RP ENERGY B 1B | | | | | | | | |
|---|---|---|--|---|--|--|---|--|----------|------|
| Sample ID: | MB-68503 | SampType: n | ıblk | Tes | tCode: EP | A Method | 300.0: Anions | 3 | | |
| Client ID: | PBS | Batch ID: 6 | 8503 | RunNo: 89225 | | | | | | |
| Prep Date: | 7/1/2022 | Analysis Date: | /1/2022 | S | SeqNo: 31 | 71931 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND 1.5 | 5 | | | | | | | |
| Sample ID: | LCS-68503 | SampType: Io | S | Tes | stCode: EP | A Method | 300.0: Anions | 6 | | |
| Client ID: | LCSS | Batch ID: 6 | 8503 | F | RunNo: 89 | 225 | | | | |
| Prep Date: | 7/1/2022 | Analysis Date: | /1/2022 | S | SeqNo: 31 | 71932 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 1.5 | 5 15.00 | 0 | 94.8 | 90 | 110 | | | |
| Sample ID: | MB-68553 | SampType: n | blk | Tes | tCode: EP | A Method | 300.0: Anions | 6 | | |
| Client ID: | PBS | Batch ID: 6 | 8553 | F | RunNo: 89243 | | | | | |
| Prep Date: | 7/5/2022 | Analysis Date: | /5/2022 | S | SeqNo: 31 | 72487 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | | | | | | | | | | |
| Chloride | | ND 1.5 | 5 | | | | | | | |
| Chloride Sample ID: | LCS-68553 | ND 1.5 | s | Tes | stCode: EP | A Method | 300.0: Anions | 6 | | |
| Chloride Sample ID: Client ID: | LCS-68553 LCSS | ND 1.5 SampType: Ic Batch ID: 6 | s 8553 | Tes | tCode: EP RunNo: 89 | A Method 243 | 300.0: Anions | 5 | | |
| Chloride Sample ID: Client ID: Prep Date: | LCS-68553 LCSS 7/5/2022 | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 | s 8553 7/5/2022 | Tes F S | stCode: EP RunNo: 89 SeqNo: 31 | A Method 243 72488 | 300.0: Anions Units: mg/K | g | | |
| Chloride Sample ID: Client ID: Prep Date: Analyte | LCS-68553 LCSS 7/5/2022 | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL | s 8553 7/5/2022 SPK value | Tes F SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit | 300.0: Anions Units: mg/K HighLimit | s g %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride | LCS-68553 LCSS 7/5/2022 | ND 1.5 SampType: Io Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 | 5 83553 7/5/2022 SPK value 5 15.00 | Tes F SPK Ref Val 0 | ttCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 | A Method 243 72488 LowLimit 90 | 300.0: Anions Units: mg/K HighLimit 110 | g %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: | LCS-68553 LCSS 7/5/2022 MB-68579 | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: n | 5 8553 7/5/2022 5 15.00 15.00 | Tes F SPK Ref Val 0 Tes | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 | A Method 243 72488 LowLimit 90 A Method | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions | g %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: | LCS-68553 LCSS 7/5/2022 MB-68579 PBS | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: n Batch ID: 6 | 5 8553 7/5/2022 5 15.00 blk 8579 | Tes F SPK Ref Val 0 Tes F | etCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 etCode: EP RunNo: 89 | A Method 243 72488 LowLimit 90 A Method 283 | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions | s %RPD s | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: m Batch ID: 6 Analysis Date: 7 | 5 8553 7/5/2022 5 15.00 1blk 8579 7/6/2022 | Tes F SPK Ref Val 0 Tes F | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 | A Method 243 72488 LowLimit 90 A Method 283 75109 | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K | 9 %RPD 5 | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 | ND 1. SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL 14 1. SampType: m Batch ID: 6 Analysis Date: 7 Result PQL | 5 8553 7/5/2022 5 15.000 | Tes F SPK Ref Val 0 Tes F SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit | 9 %RPD 3 9 %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 | ND 1.5 SampType: Id Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: Id Batch ID: 6 Analysis Date: 7 Batch ID: 6 Analysis Date: 7 Result PQL ND 1.5 | 5 8553 7/5/2022 SPK value 5 15.00 1blk 8579 7/6/2022 SPK value 5 | Tes SPK Ref Val 0 Tes SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit | s %RPD s %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 LCS-68579 | ND 1.5 SampType: Ic Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: n Batch ID: 6 Analysis Date: 7 Result PQL ND 1.5 | 5 8553 7/5/2022 5 15.00 1blk 8579 7/6/2022 5 SPK value 5 | Tes F SPK Ref Val 0 Tes SPK Ref Val Tes | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit A Method | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit 300.0: Anions | g %RPD 3 9 %RPD 5 | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Chloride Sample ID: Client ID: Client ID: | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 LCS-68579 LCSS | ND 1.5 SampType: Id Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: Id Batch ID: 6 Analysis Date: 7 Batch ID: 6 Analysis Date: 7 Result PQL ND 1.5 SampType: Id SampType: Id SampType: Id | s 8553 7/5/2022 SPK value 5 15.00 bblk 8579 7/6/2022 SPK value 5 s 8579 | Tes SPK Ref Val 0 Tes SPK Ref Val SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 %REC stCode: EP RunNo: 89 | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit A Method 283 | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit 300.0: Anions | 9 %RPD 5 %RPD | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 LCS-68579 LCSS 7/6/2022 | ND 1.5 SampType: Id Batch ID: 6 Analysis Date: 7 Result PQL 14 1.5 SampType: In Batch ID: 6 Analysis Date: 7 Result PQL ND 1.5 SampType: Id Result PQL ND 1.5 Batch ID: 6 Analysis Date: 7 Batch ID: 6 Analysis Date: 7 | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Tes SPK Ref Val 0 Tes SPK Ref Val SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit A Method 283 75110 | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit 300.0: Anions Units: mg/K | g %RPD 5 %RPD 5 5 | RPDLimit | Qual |
| Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Analyte Chloride Sample ID: Client ID: Prep Date: Client ID: Prep Date: Analyte Analyte Analyte Analyte | LCS-68553 LCSS 7/5/2022 MB-68579 PBS 7/6/2022 LCS-68579 LCSS 7/6/2022 | ND 1.4 SampType: Id Batch ID: 6 Analysis Date: 7 Result PQL 14 1.4 SampType: If Batch ID: 6 Analysis Date: 7 Result PQL ND 1.5 SampType: Id SampType: Id ND 1.5 Analysis Date: 7 SampType: Id Analysis Date: 7 Batch ID: 6 Analysis Date: 7 Result PQL Result PQL | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | Tes SPK Ref Val 0 Tes SPK Ref Val Tes SPK Ref Val | stCode: EP RunNo: 89 SeqNo: 31 %REC 93.1 stCode: EP RunNo: 89 SeqNo: 31 stCode: EP RunNo: 89 SeqNo: 31 %REC | A Method 243 72488 LowLimit 90 A Method 283 75109 LowLimit A Method 283 75110 LowLimit | 300.0: Anions Units: mg/K HighLimit 110 300.0: Anions Units: mg/K HighLimit Units: mg/K HighLimit | 9 %RPD 3 9 %RPD 3 5 9 %RPD | RPDLimit | 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 18 of 24

2206F42

14-Jul-22

| Client: | HILCORP | PENERG | Ϋ́Υ | | | | | | | | | | |
|----------------|-------------------|------------|-----------------|-----------|---|---|-----------|--------------------|-----------|----------|------|--|--|
| Project: | Sunray B | 1B | | | | | | | | | | | |
| Sample ID: | MB-68483 | Samp | Туре: МЕ | BLK | Tes | stCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
| Client ID: | PBS | Batc | h ID: 684 | 483 | F | RunNo: 89 | 9114 | | | | | | |
| Prep Date: | 6/30/2022 | Analysis I | Date: 7/ | 1/2022 | SeqNo: 3171985 Units: mg/Kg | | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range | Organics (DRO) | ND | 15 | | | | | | | | | | |
| Motor Oil Rang | ge Organics (MRO) | ND | 50 | | | | | | | | | | |
| Surr: DNOP | | 13 | | 10.00 | | 125 | 51.1 | 141 | | | | | |
| Sample ID: | LCS-68483 | Samp | Type: LC | S | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: | LCSS | Batc | h ID: 684 | 483 | F | RunNo: 89 | 9114 | | | | | | |
| Prep Date: | 6/30/2022 | Analysis I | Date: 7/ | 1/2022 | 5 | SeqNo: 31 | 71988 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range | Organics (DRO) | 50 | 15 | 50.00 | 0 | 99.7 | 64.4 | 127 | | | | | |
| Surr: DNOP |) | 5.5 | | 5.000 | | 110 | 51.1 | 141 | | | | | |
| Sample ID: | 2206F42-014AMS | Samp | Туре: МS | 3 | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | | |
| Client ID: | BH02 10-15 | Batc | h ID: 684 | 483 | F | RunNo: 89 | 9114 | | | | | | |
| Prep Date: | 6/30/2022 | Analysis I | Date: 7/ | 1/2022 | Ś | SeqNo: 31 | 171991 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range | Organics (DRO) | 50 | 14 | 46.90 | 0 | 107 | 36.1 | 154 | | | | | |
| Surr: DNOP | | 5.6 | | 4.690 | | 120 | 51.1 | 141 | | | | | |
| Sample ID: | 2206F42-014AMSD | Samp | Туре: МS | D | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | | |
| Client ID: | BH02 10-15 | Batc | h ID: 684 | 483 | F | RunNo: 89 | 9114 | | | | | | |
| Prep Date: | 6/30/2022 | Analysis I | Date: 7/ | 1/2022 | S | SeqNo: 31 | 171992 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range | Organics (DRO) | 51 | 13 | 44.25 | 0 | 115 | 36.1 | 154 | 1.71 | 33.9 | | | |
| Surr: DNOP | | 5.5 | | 4.425 | | 123 | 51.1 | 141 | 0 | 0 | | | |
| Sample ID: | LCS-68543 | Samp | Туре: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | | | |
| Client ID: | LCSS | Batc | h ID: 68 | 543 | F | RunNo: 89 | 9259 | | | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/ | 6/2022 | 5 | SeqNo: 31 | 73754 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range | Organics (DRO) | 42 | 15 | 50.00 | 0 | 83.3 | 64.4 | 127 | | | | | |
| | | | | | | | | | | | | | |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 19 of 24

2206F42

14-Jul-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | HILCORP Sunray B | PENERG | Ϋ́Υ | | | | | | | | |
|---------------------|---------------------|------------|-----------------|-----------|-----------------------------|-------------------|-----------|--------------------|-----------|----------|------|
| Sample ID: | MB-68543 | Samp | Туре: МЕ | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | PBS | Batc | h ID: 685 | 543 | RunNo: 89259 | | | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/ | 6/2022 | SeqNo: 3173755 Units: mg/Kg | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | ND | 15 | | | | | | | | |
| Motor Oil Rang | e Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 8.8 | | 10.00 | | 88.4 | 51.1 | 141 | | | |
| Sample ID: | MB-68548 | Samp | Type: ME | BLK | TestCode: EPA Method 8 | | | 8015M/D: Die | sel Range | Organics | |
| Client ID: | PBS | Batc | h ID: 685 | 548 | F | RunNo: 8 9 | 9263 | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/ | 6/2022 | Ş | SeqNo: 31 | 175949 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | ND | 15 | | | | | | | | |
| Motor Oil Rang | e Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 9.7 | | 10.00 | | 97.0 | 51.1 | 141 | | | |
| Sample ID: | LCS-68548 | Samp | Туре: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | LCSS | Batc | h ID: 685 | 548 | F | RunNo: 8 9 | 9263 | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/ | 6/2022 | 5 | SeqNo: 31 | 175950 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | 42 | 15 | 50.00 | 0 | 84.1 | 64.4 | 127 | | | |
| Surr: DNOP | | 4.8 | | 5.000 | | 95.2 | 51.1 | 141 | | | |
| Sample ID: | 2206F42-002AMS | Samp | Type: MS | ; | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | BH01 15-20 | Batc | h ID: 685 | 548 | F | RunNo: 8 9 | 9263 | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/7 | 7/2022 | Ş | SeqNo: 31 | 176002 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | 40 | 15 | 49.41 | 0 | 81.3 | 36.1 | 154 | | | |
| Surr: DNOP | | 4.9 | | 4.941 | | 99.5 | 51.1 | 141 | | | |
| Sample ID: | 2206F42-002AMSD | Samp | Type: MS | D | Tes | tCode: EF | PA Method | 8015M/D: Die | sel Range | Organics | |
| Client ID: | BH01 15-20 | Batc | h ID: 685 | 548 | F | RunNo: 8 9 | 9263 | | | | |
| Prep Date: | 7/5/2022 | Analysis I | Date: 7/ | 7/2022 | 5 | SeqNo: 31 | 176003 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | | | | | | | | | | | |
| Diesel Range C | Organics (DRO) | 44 | 15 | 49.12 | 0 | 89.8 | 36.1 | 154 | 9.36 | 33.9 | |

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 range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 20 of 24

2206F42

14-Jul-22

| Client: Project: | HILCORI Sunray B | P ENERG 1B | Y | | | | | | | | | | | |
|---|---------------------|---------------|------------------|---------------|--------------|-----------------------------|--------------------|-------------|------------|----------|------|--|--|--|
| Sample ID: | lcs-68473 | SampT | ype: LC | S | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | |
| Client ID: | LCSS | Batch | n ID: 684 | 73 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis D | Date: 7/1 | 1/2022 | \$ | SeqNo: 31 | 170402 | Units: mg/k | ζg | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Gasoline Rang Surr: BFB | je Organics (GRO) | 25 2200 | 5.0 | 25.00 1000 | 0 | 98.4 218 | 72.3 37.7 | 137 212 | | | S | | | |
| Sample ID: | mb-68473 | SampT | уре: МЕ | LK | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | |
| Client ID: | PBS | Batch | ו ID: 684 | 73 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis D | Date: 7/1 | 1/2022 | : | SeqNo: 3170403 Units: mg/Kg | | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Gasoline Rang | ge Organics (GRO) | ND | 5.0 | | | | | | | | | | | |
| Surr: BFB | | 1200 | | 1000 | | 115 | 37.7 | 212 | | | | | | |
| Sample ID: | lcs-68478 | S | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | | | |
| Client ID: | LCSS | Batch | ו ID: 684 | 78 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Prep Date: | Analysis D | Date: 7/1 | 1/2022 | | SeqNo: 31 | 170829 | Units: mg/k | ٢g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Gasoline Rang | ge Organics (GRO) | 25 | 5.0 | 25.00 | 0 | 98.5 | 72.3 | 137 | | | | | | |
| Surr: BFB | | 1900 | | 1000 | | 194 | 37.7 | 212 | | | | | | |
| Sample ID: | mb-68478 | SampT | уре: МВ | LK | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | |
| Client ID: | PBS | Batch | ו ID: 684 | 78 | RunNo: 89189 | | | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis E | Date: 7/1 | 1/2022 | | SeqNo: 31 | | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Gasoline Rang | ge Organics (GRO) | ND | 5.0 | 4000 | | | | 040 | | | | | | |
| SUIL: REB | | 920 | | 1000 | | 91.6 | 37.7 | 212 | | | | | | |
| Sample ID: | 2206f42-014ams | SampT | ype: MS | ; | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | |
| Client ID: | BH02 10-15 | Batch | ו ID: 684 | 78 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: 2206f42-014ams Client ID: BH02 10-15 Prep Date: 6/30/2022 Analyte Gasoline Range Organics (GRO) | | Analysis D |)ate: 7/1 | 1/2022 | : | SeqNo: 31 | 170832 | Units: mg/k | ζg | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Gasoline Rang | ge Organics (GRO) | 25 | 4.8 | 24.06 | 0 | 102 | 70 | 130 | | | | | | |
| SUIL: REB | | 2000 | | 962.5 | | 209 | 37.7 | 212 | | | | | | |
| Sample ID: | 2206f42-014amsd | SampT | ype: MS | D | Tes | stCode: EF | PA Method | 8015D: Gaso | line Range | | | | | |
| Client ID: | BH02 10-15 | Batch | ו ID: 684 | 78 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis D |)ate: 7/1 | 1/2022 | S | SeqNo: 31 | 170833 | Units: mg/k | (g | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

2206F42

14-Jul-22

| Client: | HILCORI | PENERG | Y | | | | | | | | | | | | |
|---------------|---|------------|---------------------|-----------|--|-------------------|------------|--------------------|------------|----------|------|--|--|--|--|
| Project: | Sunray B | 1B | | | | | | | | | | | | | |
| Sample ID: | 2206f42-014amsd | SampT | - уре: МS | D | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | | | |
| Client ID: | BH02 10-15 | Batch | ו ID: 68 4 | 178 | F | RunNo: 8 9 | | | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis D |)ate: 7/* | 1/2022 | Ś | SeqNo: 31 | 70833 | Units: mg/K | ģ | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Gasoline Rang | ge Organics (GRO) | 25 | 4.8 | 24.04 | 0 | 105 | 70 | 130 | 2.69 | 20 | | | | | |
| Surr: BFB | | 2000 | | 961.5 | | 213 | 37.7 | 212 | 0 | 0 | S | | | | |
| Sample ID: | mb-68445 | BLK | Tes | tCode: EF | PA Method | 8015D: Gaso | line Range | | | | | | | | |
| Client ID: | PBS | Batch | ו ID: 68 4 | 145 | F | RunNo: 89 | 9209 | | | | | | | | |
| Prep Date: | 6/29/2022 | Analysis D |)ate: 7/ * | 1/2022 | 5 | SeqNo: 31 | 71002 | Units: mg/Kg | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Gasoline Rang | ge Organics (GRO) | ND | 5.0 | | | | | | | | | | | | |
| Surr: BFB | | 970 | | 1000 | | 96.9 | 37.7 | 212 | | | | | | | |
| Sample ID: | lcs-68445 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015D: Gaso | line Range | ÷ | | | | | |
| Client ID: | LCSS | Batch | ו ID: 68 4 | 145 | F | RunNo: 89 | 9209 | | | | | | | | |
| Prep Date: | rep Date: 6/29/2022 Analysis Date: 7/1/2022 | | | | S | SeqNo: 31 | 171003 | Units: mg/K | g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Gasoline Rang | ge Organics (GRO) | 28 | 5.0 | 25.00 | 0 | 113 | 72.3 | 137 | | | | | | | |
| Surr: BFB | | 2100 | | 1000 | | 213 | 37.7 | 212 | | | S | | | | |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 22 of 24

2206F42

14-Jul-22

| Client: | HILCO | ORP ENERG | Y | | | | | | | | | | | |
|----------------|-----------------|------------|-------------------|-----------|---------------------------------------|-------------------|-----------|---------------|------|----------|------|--|--|--|
| Project: | Sunray | y B 1B | | | | | | | | | | | | |
| Sample ID: | lcs-68473 | Samp | Гуре: LC | S | Tes | stCode: EF | PA Method | 8021B: Volati | les | | | | | |
| Client ID: | LCSS | Batc | h ID: 684 | 473 | F | RunNo: 8 9 | | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis I | Date: 7/ | 1/2022 | 5 | SeqNo: 31 | 170414 | Units: mg/K | g | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Benzene | | 0.94 | 0.025 | 1.000 | 0 | 94.5 | 80 | 120 | | | | | | |
| Toluene | | 0.96 | 0.050 | 1.000 | 0 | 95.9 | 80 | 120 | | | | | | |
| Ethylbenzene | | 0.94 | 0.050 | 1.000 | 0 | 94.1 | 80 | 120 | | | | | | |
| Xylenes, Total | | 2.8 | 0.10 | 3.000 | 0 | 93.0 | 80 | 120 | | | | | | |
| Surr: 4-Bron | nofluorobenzene | 1.1 | | 1.000 | | 110 | 70 | 130 | | | | | | |
| Sample ID: | mb-68473 | Samp | Гуре: МЕ | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | | |
| Client ID: | PBS | Batcl | h ID: 684 | 473 | F | RunNo: 8 9 | 9189 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis [| Date: 7/ * | 1/2022 | S | SeqNo: 31 | 170415 | Units: mg/K | | | | | | |
| 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-Bron | nofluorobenzene | 1.1 | | 1.000 | | 108 | 70 | 130 | | | | | | |
| Sample ID: | lcs-68478 | SampT | Гуре: LC | S | Tes | stCode: EF | | | | | | | | |
| Client ID: | LCSS | Batcl | h ID: 684 | 478 | F | RunNo: 8 9 | | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis [| Date: 7/ | 1/2022 | Ş | SeqNo: 31 | 170853 | Units: mg/K | g | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Benzene | | 0.95 | 0.025 | 1.000 | 0 | 95.1 | 80 | 120 | | | | | | |
| Toluene | | 0.96 | 0.050 | 1.000 | 0 | 95.7 | 80 | 120 | | | | | | |
| Ethylbenzene | | 0.95 | 0.050 | 1.000 | 0 | 95.2 | 80 | 120 | | | | | | |
| Xylenes, Total | | 2.8 | 0.10 | 3.000 | 0 | 94.4 | 80 | 120 | | | | | | |
| Surr: 4-Bron | nofluorobenzene | 0.91 | | 1.000 | | 90.8 | 70 | 130 | | | | | | |
| Sample ID: | mb-68478 | Samp | Гуре: МЕ | BLK | Tes | stCode: EF | PA Method | 8021B: Volati | les | | | | | |
| Client ID: | PBS | Batcl | h ID: 684 | 478 | F | RunNo: 89 | 9189 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis [| Date: 7/ | 1/2022 | \$ | SeqNo: 31 | 170854 | 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-Bron | nofluorobenzene | 0.88 | | 1.000 | | 88.2 | 70 | 130 | | | | | | |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 23 of 24

.

Page 69 of 74

2206F42

14-Jul-22

| Released t | o I | maging: | 9/ | /13 | /2(|)22 | 9: | 45 : | 21 | AM | |
|------------|-----|---------|----|-----|-----|-----|----|-------------|----|----|--|
|------------|-----|---------|----|-----|-----|-----|----|-------------|----|----|--|

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

HILCORP ENERGY

| Project: | Sunray B | 1B | | | | | | | | | | | |
|----------------|-----------------|-------------|----------------|-----------|---------------------------------------|-------------------|-----------|---------------|------|----------|------|--|--|
| Sample ID: | 2206f42-015ams | SampTy | /pe: MS | 6 | Tes | tCode: EF | PA Method | 8021B: Volati | les | | | | |
| Client ID: | BH02 15-20 | Batch | ID: 684 | 478 | F | RunNo: 8 9 | | | | | | | |
| Prep Date: | 6/30/2022 | Analysis Da | ate: 7/ | 1/2022 | S | SeqNo: 31 | 170857 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Benzene | | 0.95 | 0.024 | 0.9579 | 0 | 98.9 | 68.8 | 120 | | | | | |
| Toluene | | 0.96 | 0.048 | 0.9579 | 0 | 101 | 73.6 | 124 | | | | | |
| Ethylbenzene | | 0.96 | 0.048 | 0.9579 | 0 | 101 | 72.7 | 129 | | | | | |
| Xylenes, Total | | 2.9 | 0.096 | 2.874 | 0 | 99.9 | 75.7 | 126 | | | | | |
| Surr: 4-Brom | nofluorobenzene | 0.84 | | 0.9579 | | 88.1 | 70 | 130 | | | | | |
| Sample ID: | 2206f42-015amsd | SampTy | /pe: MS | SD | Tes | tCode: EF | PA Method | 8021B: Volati | les | | | | |
| Client ID: | BH02 15-20 | Batch | ID: 684 | 478 | F | RunNo: 8 9 | 9189 | | | | | | |
| Prep Date: | 6/30/2022 | Analysis Da | ate: 7/ | 1/2022 | S | SeqNo: 31 | 170858 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Benzene | | 1.0 | 0.024 | 0.9737 | 0 | 104 | 68.8 | 120 | 6.67 | 20 | | | |
| Toluene | | 1.0 | 0.049 | 0.9737 | 0 | 105 | 73.6 | 124 | 5.82 | 20 | | | |
| Ethylbenzene | | 1.0 | 0.049 | 0.9737 | 0 | 105 | 72.7 | 129 | 6.06 | 20 | | | |
| Xylenes, Total | | 3.0 | 0.097 | 2.921 | 0 | 104 | 75.7 | 126 | 5.74 | 20 | | | |
| Surr: 4-Brom | nofluorobenzene | 0.85 | | 0.9737 | | 87.4 | 70 | 130 | 0 | 0 | | | |
| Sample ID: | mb-68445 | SampTy | /pe: ME | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
| Client ID: | PBS | Batch | ID: 684 | 445 | F | RunNo: 8 9 | | | | | | | |
| Prep Date: | 6/29/2022 | Analysis Da | ate: 7/ | 1/2022 | S | SeqNo: 31 | 171086 | 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-Brom | nofluorobenzene | 0.91 | | 1.000 | | 90.9 | 70 | 130 | | | | | |
| Sample ID: | LCS-68445 | SampTy | /pe: LC | S | Tes | tCode: EF | PA Method | 8021B: Volati | les | | | | |
| Client ID: | LCSS | Batch | ID: 684 | 445 | F | RunNo: 89 | 9209 | | | | | | |
| Prep Date: | 6/29/2022 | Analysis Da | ate: 7/ | 1/2022 | S | SeqNo: 31 | 171087 | Units: mg/K | g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Benzene | | 0.88 | 0.025 | 1.000 | 0 | 87.6 | 80 | 120 | | | | | |
| Toluene | | 0.91 | 0.050 | 1.000 | 0 | 91.3 | 80 | 120 | | | | | |
| Ethylbenzene | | 0.93 | 0.050 | 1.000 | 0 | 92.7 | 80 | 120 | | | | | |
| Xylenes, Total | | 2.8 | 0.10 | 3.000 | 0 | 93.2 | 80 | 120 | | | | | |
| Surr: 4-Brom | nofluorobenzene | 0.90 | | 1.000 | | 89.6 | 70 | 130 | | | | | |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2206F42

| | ENVIRONMENT ANALYSIS LABORATORY | Γ AL | Ha TE | ul Environme EL: 505-345 Website: ww | ental Anal 49 Albuquer 3975 FAX w.hallenv | vsis Lab 01 Hawl que, NM : 505-34 ironmen | oratory kins NE 187109 5-4107 tal.com | Sample Log-In Check List | | | | | | | |
|-------------------------|--|----------------------------------|-----------------|--|---|---|---|--------------------------|-------------------------------------|--|--|--|--|--|--|
| Client N | ame: HILCORP | ENERGY | Work | Order Num | nber: 220 | 6F42 | | | RcptNo: 1 | | | | | | |
| Received | By: Juan Ro | jas | 6/29/20 | 022 6:30:00 | AM | | Glia | nay | | | | | | | |
| Complete Reviewee | ed By: Sean Liv d By: 6.7 | ringston 9-72 | 6/29/20 | 022 8:59:49 | AM | | 5 | -6 | izot- | | | | | | |
| Chain o | of Custody | | | | | | | | | | | | | | |
| 1. Is Cha | ain of Custody com | plete? | | | Yes | | N | • | Not Present | | | | | | |
| 2. How w | vas the sample deli | vered? | | | Cou | <u>irier</u> | | | | | | | | | |
| Log In | | | | | | | | | | | | | | | |
| 3. Was a | in attempt made to | cool the sampl | es? | | Yes | | No | | | | | | | | |
| 4. Were a | all samples receive | d at a temperat | ure of >0° C | to 6.0°C | Yes | | No | | | | | | | | |
| 5. Sampl | e(s) in proper conta | ainer(s)? | | | Yes | | No | | | | | | | | |
| 6. Sufficie | ent sample volume | for indicated te | st(s)? | | Yes | | No | | | | | | | | |
| 7. Are sar | mples (except VOA | and ONG) pro | perly preserve | ed? | Yes | | No | | | | | | | | |
| 8. Was pr | reservative added t | o bottles? | | | Yes | | No | V | NA 🗌 | | | | | | |
| 9. Receive | ed at least 1 vial wi | th headspace - | <1/4" for AQ \ | /OA? | Yes | | No | | NA 🔽 | | | | | | |
| 10. Were a | any sample contain | ers received br | oken? | | Yes | | No | | # of preserved | | | | | | |
| 11. Does p (Note d | aperwork match bo liscrepancies on ch | ottle labels? ain of custody) | | | Yes | | No | | for pH: (<2 or >12 unless noted) | | | | | | |
| 12. Are ma | trices correctly iden | ntified on Chain | of Custody? | | Yes | | No | | Adjusted? | | | | | | |
| 13. Is it cle | ar what analyses w | ere requested? | , | | Yes | | No | | 1 at | | | | | | |
| 14. Were a (If no, n | II holding times abl | e to be met? authorization.) | | | Yes | | No | | Checked by: 2 6 2 9 2 | | | | | | |
| Special H | landling (if ap | plicable) | | | | | | / | | | | | | | |
| 15. Was cl | lient notified of all c | liscrepancies w | ith this order? | 2 | Yes | | No | | NA 🗹 | | | | | | |
| F | Person Notified: | | | Date | - | | | _ | | | | | | | |
| E | By Whom: |] | | Via: | eM | ail 🗌 | Phone [|] Fax | In Person | | | | | | |
| F | Regarding: | | | | | | | | | | | | | | |
| C | Client Instructions: | 1 | | | | | | - | | | | | | | |
| 16. Additio | onal remarks: | | | | | | | | | | | | | | |
| 17. <u>Coole</u> | r Information | Condition | Seal Intest | Soal Na | Carlo | ata | 0 | Die | | | | | | | |
| 1 | 1.0 | Good | Seal mact | Seal NO | Seal D | ate | Signed | Ву | | | | | | | |
| | 3.0 | Good | | | | | | | | | | | | | |

Page 1 of 1

| Client: | Chain | -of-C | ustody Record | Turn-Around | d Time: | |] [| | | ŀ | HA | LL | E | N | /IF | so | NM | ENT | Of Chived |
|----------------|---------------|------------|-----------------------------|-----------------------|------------------|---------------------------|---------------------------|--------------------------|--------|--------|-------|-------|---------|-------|------|--------|--------|-----|-----------|
| | Hi | ic orp | | Standar | d 🖊 🗆 Rusi | h | Г | | | - | | AL | Y | ST | S I | AF | OR | ATO | OPV |
| N | litch | Killo | uah | Project Nam | ie: | | www.hallenvironmental.com | | | | | | | | | | | | |
| Mailing | Address | 5: | <i>y</i> | sunn | Y BIB | | | | | | | w.11a | meriv | /iron | men | tai.co | m | | 9: 7 |
| | | | | Project #: | | | | 45 | | ажк | ins i | NE · | - All | ouqu | erqu | ie, NM | M 8710 | 9 | 25/2 |
| Phone | #: 713 | -757 | .6047 | | | | - | | el. 50 | J5-34 | 45-3 | 975 | had | -ax | 505- | -345- | 4107 | | 202 |
| email o | or Fax#: | meille | uppe hirano com | Project Man | ader: | | | | | - | | - | Allel 4 | y515 | Req | uest | | Т | |
| QA/QC | Package | - IX III G | ugne movp.cvi | Mit | cn killough | - Hilcorp | 12(| IRO | o. | | S | | 80 | | | sent | | | 5.24 |
| □ Star | ndard | | □ Level 4 (Full Validation) | Stuart Hyde - Enspium | | | | | CB | | SIM | | 04, | | | (Abs | | | (PA |
| Accreditation: | | | ompliance | Sampler: F | E. Carroll | /R Iton son | AB/ | DRO | 82 F | = | 270 | | 02, F | | | sent | | | |
| | AC | Othe | r | On Ice: | . Hes | | IT | 10 | s/80 | 04. | or 8 | | Ž | | (A) | Pre | | | |
| | O (Type) | r | | # of Coolers: | 1 | | 38 | (GR | cide | od 5 | 310 | etals | 63 | | 0/- | Ē | | | |
| - | | | | Cooler Temp | O(including CF): | 0-0=1.0 (°C) | E F | 15D | estic | leth | y 83 | 8 Me | Ţ | AO/ | emi | olifo | | | |
| | | 1 | | Container | Preservative | HEAL No. | X | H:80 | E P | S B | d st | RA | I | 0 | 0 (S | D C | 10 | | |
| Date | Time | Matrix | Sample Name | Type and # | Туре | 2206 642 | E | 1 L | 808 | ED | PA | RCI | Ö) | 826 | 827 | Tota | | | 1111 |
| 6-27 | 11:50 | 50:1 | BH01 5-10 | 1,402 | cool | 001 | X | X | | | | | X | | | | | | |
| 1 | 17:10 | | BH01 15-20 | | - [| 007 | T | 11 | | | - | | 1 | | 111 | | | | |
| J | 12:20 | ł | BH02 5-10 | | X | COL | 1 | 8 | | = | | | V | | | | - | | |
| 1 | | | BHOD | | | | | | | - | _ | | _ | - | | | - | | |
| 6/27 | 12:40 | 5007 | BH03 0-5 | 1,402 | 6001 | 004 | X | X | | | | | X | | | | | | |
| 1 | 13:10 | | BH03 15-20 | 1 | 1 | 200 | T | T | | 1 | | | 1 | - | | | | | |
| | 14:00 | | BH04 5-10 | | | Dore | 1 | | | | | | 1 | | | | | | |
| | 14:05 | | BH04 10-15 | | | 002 | | | | | | | 1 | - | | | | | |
| | 14:07 | | BHO4 15-20 | | | 009 | 1 | | | | | | 1 | | | | | | |
| | 14:12 | | BH04 20-25 | | | 0.09 | | \top | | | | | T | | | | | | |
| 1 | 14:15 | 1 | BH04 25-30 | | | 810 | | 1 | | | | | | | | | | | |
| V | 15:30 | V | BHOS 5-10 | | 1 | Dtl | 2 | Y | | | | | V | | | | - | | |
| Date: | Time: 1515 | Relinquish | ed by | Received by: | Viar. Wat | Date Time 6/28/22 1515 | Ren | Remarks: Hold BHOH 20-25 | | | | | | | | | | | |
| Date: | Time: | Relinquish | Notre Walt | Received by: | Via: | Date Time | | e | ι | , | jue | e. | er | 330 | | | ,,,, L | | 'age 72 (|

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. 0
| (| Chain | -of-C | ustody Record | Turn-Aroun | d Time: | | i. | | _ | | | | | | | | | 20 | |
|--|------------|-------------|--|--|----------------------|--|--------|---------------------|-----------|-------------|-------|-------|-----------|-------|-------|--------|----------|-----|--|
| Client: Hilcorp | | | | Standard □ Rush | | | | | | F | | LL | EN | VI | RO | NM | ENT | TAL | |
| | | | | | | | | ANALYSIS LABORATORY | | | | | | | | | | | |
| Mitch Killough | | | SUNCAY BIB | | | www.hallenvironmental.com | | | | | | | | | | | | | |
| Mailing Address: | | | | | | 4901 Hawkins NE - Albuquerque NM 87400 | | | | | | | | | | | | | |
| | | | | Project #: | -/ | | | т | | 10 VK | E 20 | C - 1 | huur T | uerq | | / 8/10 | 9 | | |
| Phone #: 713.757-5247 | | | | | | | | Analysis Request | | | | | | | | | | | |
| email o | or Fax#: | mkillo | ush@ hijcorp. com | Project Man | ager: | 0.00 | - | | | | T | | 4 | | quest | - | 1-1 | | |
| QA/QC Package: | | | | Mitch Killough - Hilcorp Studie Hydre - Ensolum | | | | O / MRO | s | | S | | | | sent | | 10. | | |
| □ Standard □ Level 4 (Full Validation) | | | | | | | | | PCE | | SIM | | 1 | | /Ab: | | | | |
| Accred | litation: | 🗆 Az Co | ompliance | Sampler: E. Carroll / R. Hunson | | | WB | DR(| 82 | 7 | 270 | | | | sent | | | | |
| NELAC Other | | | | On Ice: Ves 🗆 No | | | | 102 | s/80 | 504. | or 8 | | | A | Pre | 10 | | | |
| EDD (Type) | | | # of Coolers: 2 | | | 12 | (GR | cide | 2 po | 310 | etals | | 12 | Ē | | | | | |
| | | | | Cooler Temp | O(including CF): 1.0 | (°°) 0.1.20 | ¥. | 150 | estic | leth | y 8. | W N | E O | emi | olifo | | | | |
| | | | - and - 11 | Container | Preservative | HEAL No. | K | 1:80 | P P | N N | d sh | A L | S | 0 (S) | Ŭ | | | | |
| Date | Time | Matrix | Sample Name | Type and # | Туре | | E | TPI | 808 | ED | PA | S C | 826 | 827 | Tota | | | | |
| 6-28 | 9:30 | 50:1 | BHOB 10-15 | 1402 | 0001 | DIZ | x | x | | | | X | | 5 | | | | | |
| 6-28 | 9:40 | Soil | BHOB 25-30 | 1492 | 0001 | 013 | X | X | | 1 | | K | | - | | | | | |
| | 1315 | | BH02 10-15 | | 1 | ay | 1 | 1 | | | | 1 | - | | | - | | ++ | |
| 1 | 1718 | | BHO2 15-20 | | | 2.5 | T | | | | | 11 | - | | | 1 | | ++ | |
| Ì | 1322 | | BH02 20-25 | | | DIL. | 1 | 1 | | | | | | | | | \vdash | ++ | |
| | 1325 | | 131+07 0-5 | | | 017 | 1 | | | | | 11 | | | | - | \vdash | ++ | |
| 4 | 1728 | ł | BH07 20-22 | + | X | 24 | 1 | ¥ | | | | 1 | | | | | | | |
| 6/28 | 13:25 | | BHOZ 25-30 | | | 019 | | | | | | | - | | | - | | | |
| 6/22 | 15:45 | | 3405 25-30 | | | 070 | | | | | | | | | - | | | + | |
| | | | | | | | | | | - | + | | 1 | | | - | | ++ | |
| | | | | 1 | | | | | - | + | + | - | | | | - | | ++ | |
| | | | | | | | | | - | | - | | | - | | - | | ++ | |
| Date: | Time: | Relinquishe | ed by: | Received by: Via: Date Time F | | | | Remarks: | | | | | | | | | | | |
| 6/23/0 15/5 | | K | win 1 | 1 white thet ist | | | | | | | | | | | | | | | |
| Date: | Time: | Relinquishe | ed by: | Received by: | Via: | Date Time | | | | | | | | | | | | ¢ | |
| 28/27 | 1886 | 1. | WAND | 1 hA | 100 vier 1 | 6/29/226/30 | | | | | | | | | | | | | |
| lf | necessary, | samples sub | mitted to Hall Environmental may be subc | ontracted to other ac | credited laboratorie | This serves as notice of this | Donali | | A 14 2016 | | | | | | | - | | • | |

ted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. mple C

.

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: | OGRID: |
|------------------------|---|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 128553 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|---|-------------------|
| nvelez | 1. OCD approves SVE Pilot Test. 2. Submittal of a SVE Pilot Test Report along with a Final Remediation Plan are due by December 16, 2022. | 9/13/2022 |

Action 128553