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 of 61

Incident ID	nAPP2133326844
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 # nAPP2133326844
Contact mailing address 1111 Travis Street, Houston, Texas 77002	

Location of Release Source

Latitude 36.955822

Longitude -107.7127533_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name San Juan 32-8 Unit 233	Site Type Natural Gas Production Facility
Date Release Discovered 11/16/2021 @ 12:30pm MT	API# 30-045-27972

Unit Letter	Section	Township	Range	County
G	30	32N	08W	San Juan

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 184	Volume Recovered (bbls) 53
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
□ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

On 11/16/2021 at approximately 12:30 pm (MT), Hilcorp Energy Company (Hilcorp) discovered a 184-bbl release of produced water at the San Juan 32-8 Unit 233 (API: 30-045-27972) in San Juan County, NM. Based on assessments conducted by Hilcorp personnel, the primary cause was due to a leaking manway gasket on a 500-bbl water storage tank. Immediately upon discovery, the storage tank was isolated.

Page 2

Oil Conservation Division

Incident ID	nAPP2133326844
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	The spill amount exceeded 25 bbls.
\boxtimes Yes \square No	
If VES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (nhone, amail, atc.)?
If TES, was inificulate if	blee given to the OcD': By whom: To whom: when and by what means (phone, eman, etc):
Mitch Killough notified t	the BLM (FFO) and NMOCD via 24-hour email nonnearion on 11/17/2021 at 11:07 am C1.

Initial Response

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

 \square The source of the release has been stopped.

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

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

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

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

Spilled fluids leaked into the secondary containment berm area (not lined) and did not migrate horizontally outside of this surface area or the pad. However, 131 bbls of produced water could not be recovered and migrated vertically into the underlying soils beneath the secondary containment area.

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: ___

Date: 11/29/2021

email: ____ mkillough@hilcorp.com _____

Shih July

Telephone: ____713-757-5247_____

OCD Only

Received by: _Ramona Marcus

Date: 11/29/2021

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

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	63893
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	11/29/2021

CONDITIONS

Page 3.0f.61

Action 63893

Oil Conservation Division

	Page 4 of 6 1
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>120 (ft bgs)</u>
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

Page 3

- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \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:	1/21/2022 10:37:24 AM			Page 5 of
-141			Incident ID	
Page 4	Oil Conservation Division	1	District RP	
			Facility ID	
			Application ID	
I hereby certify tha regulations all oper public health or the failed to adequately addition, OCD acc and/or regulations. Printed Name:	at the information given above is true and complete to the rators are required to report and/or file certain release ne e environment. The acceptance of a C-141 report by the y investigate and remediate contamination that pose a the eptance of a C-141 report does not relieve the operator <u>Mitch Killough</u>	e best of my otifications a OCD does n reat to groun of responsibi	knowledge and understand that pursua ind perform corrective actions for releas not relieve the operator of liability shou indwater, surface water, human health of lity for compliance with any other fede Environmental Specialist	nt to OCD rules and ses which may endanger Id their operations have r the environment. In ral, state, or local laws
Signature:	the high	Talanho	Date:1/2	21/2022
OCD Only Received by:		I	Date:	

Page 6

Oil Conservation Division

Incident ID		
District RP		
Facility ID		
Application ID		

Page 6 of 61

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: ____Mitch Killough______ Title: ____Environmental Specialist______ Jah John-_____ Date: ____1/21/2022_____ Signature: email: mkillough@hilcorp.com Telephone: _____713-757-5247_____ **OCD Only** Received by: _____ Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

 Closure Approved by:
 Nelson Velez
 Date:
 01/28/2022

 Printed Name:
 Nelson Velez
 Title:
 Environment

 Title: Environmental Specialist – Adv



January 19, 2022

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

Subject: Site Characterization Report and Closure Request San Juan 32-8 Unit #233 San Juan County, New Mexico NMOCD Incident Number: nAPP2133326844

To Whom It May Concern:

On behalf of Hilcorp Energy Company (Hilcorp), WSP USA Inc. (WSP) has prepared this *Site Characterization Report and Closure Request* for the San Juan 32-8 Unit #233 production well site (Site) located on Bureau of Land Management (BLM) surface in San Juan County, New Mexico (Figure 1). WSP conducted soil-delineation activities to investigate a release of produced water resulting from equipment failure of on-Site aboveground storage tanks (ASTs). Specifically, on November 16, 2021, Hilcorp personnel discovered a release of 184 barrels (bbls) of produced water resulting from a leaking manway gasket on a 500-bbl AST. Upon discovery of the release, the AST was isolated and recoverable fluids (53 bbls) were removed via vacuum truck. All released fluids remained within the unlined secondary containment berm surrounding the ASTs and did not flow outside of the containment or off-pad. Additionally, the manway gasket was replaced and the AST was put back into service.

Hilcorp estimated the release of produced water to be 184 bbls, as determined by the operator's tank gauging data. After discovery of the release, Hilcorp provided 24-hour notification via email on November 17, 2021. Hilcorp submitted a *Release Notification Form C-141* to the New Mexico Oil Conservation Division (NMOCD) on November 29, 2021. NMOCD has assigned Incident Number nAPP2133326844 to the release.

SITE CHARACTERIZATION

The Site is located on BLM surface in Unit G of Section 30, Township 32 North, Range 08 West, San Juan County, New Mexico (Figure 1). The Site is approximately 12 miles north of Navajo Dam, New Mexico and approximately 2.5 miles west of State Route 511. As part of the Site investigation, local geology/hydrogeology and nearby sensitive receptors were accessed in accordance with 19.15.29.11 of the New Mexico Administrative Code (NMAC). This information is further discussed below.

GEOLOGY AND HYDROGEOLOGY

Based on United States Geological Survey (USGS) geologic mapping, the Site is located within the Tertiary San Jose Formation. In the report titled "Hydrogeology and Water Resources of San Juan Basin, New Mexico" (Stone, Lyford, Frenzel, Mizell, & Padgett, 1983), the San Jose Formation as characterized by various lithologies including course-grained arkose, mudstones, and lenses of claystone, siltstone, and poorly consolidated sandstone. This formation ranges in thickness from 200 to 2,700 feet. The San Jose Formation is the youngest Tertiary bedrock unit in the San Juan Basin and is underlain by the Nacimiento Formation.

SITE RECEPTORS

Assessment of potential nearby receptors was conducted through desktop reviews of topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, USGS GIS maps, New Mexico Office of the State Engineer database, and aerial photographs, as well as site-specific observations.

WSP USA 848 EAST 2ND AVENUE DURANGO CO 81301

Tel.: 970-385-1096 wsp.com Released to Imaging: 1/28/2022 10:58:08 AM

vsp

Trail Canyon is located 1,500 feet east of the Site. Additionally, a first-order tributary to Trail Canyon is located 1,000 feet north of the Site and may be considered a "significant watercourse" as defined in 19.15.17.7 NMAC. There are no known springs or fresh-water wells located within 500 feet of the Site. The nearest groundwater well with depth-to-water information (SJ 03823) is located approximately 2.5 miles east of the Site, with groundwater measured at approximately 250 feet below ground surface (bgs). Additionally, the data sheet for a deep ground bed cathodic protection well located at the Site (included as Enclosure A) indicates that groundwater is approximately 120 feet below ground surface (bgs). Based on this information, depth to water at the Site is assumed to be greater than 100 feet bgs.

The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 2). Surface land use surrounding the Site consists primarily of oil and gas development and livestock grazing. No occupied permanent residence or structures, including schools, hospitals, institutions, and/or churches, are located within 300 feet of the Site. The Site is not within the area of a subsurface mine or unstable area and is not within the 100-year floodplain.

SITE CLOSURE CRITERIA

WSP has characterized the Site according to *Table 1, Closure Criteria for Soils Impacted by a Release* of 19.15.29.12 NMAC. The following NMOCD Table 1 closure criteria apply: 10 milligrams per kilogram (mg/kg) benzene; 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX); 1,000 mg/kg total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO) and diesel range organics (DRO); 2,500 mg/kg TPH as a combination of GRO, DRO, and motor oil range organics (MRO); and 20,000 mg/kg chloride.

SITE INVESTIGATION ACTIVITIES AND RESULTS

After the discovery of the release and removal of fluids from the secondary containment, WSP personnel conducted subsurface investigations using a hand auger to assess the magnitude and vertical/lateral extent of impacts to Site soils. Hand auger borings were advanced at the Site at the locations shown on Figure 3. Boring locations were recorded using a handheld Global Positing System (GPS) unit. The attached Photographic Log includes photographs taken during delineation activities.

Borings were advanced up to depths of 5 feet bgs and generally encountered sand and gravel in the top 6 inches of soil and then sand, silt, and clay to the terminal depths of each boring. Field notes are attached as Enclosure B. During delineation sampling, the soil was inspected for odors and/or staining. Additionally, soil was field screened using a photoionization detector (PID) to monitor for the presence of organic vapors and/or Hach® chloride QuanTab® test strips to field screen for chloride concentrations. Field screening results collected during sampling are summarized in Table 1.

SOIL ASSESSMENT

In total, 11 borings were advanced at the Site. Borings SB01 through SB05 were advanced at the Site just after the release occurred in order to field screen soils and assess general conditions and the magnitude of potential impacts. Borings BH01 through BH06 were subsequently advanced at the Site to further delineate the release and confirm previous field screening results. In general, two samples were collected from each delineation boring for laboratory analysis: one sample from the interval with the highest PID and/or chloride concentration and one sample near the terminus of each boring. Samples were submitted to Hall Environmental Analysis Laboratory (Hall) for analysis of the BTEX by United States Environmental Protection Agency (EPA) Method 8021, TPH by EPA Method 8015, and chloride by EPA method 300.0. A summary of soil analytical results is presented in Table 1, with laboratory analytical reports attached as Enclosure C.

Based on analytical results, chloride was detected in four of the eleven borings at concentrations ranging from 82 to 2,500 mg/kg, all of which were encountered at shallow depths between the ground surface and 6 inches bgs. TPH and BTEX were not present at detectable concentrations in any of the analyzed samples collected during Site work. Based on these results, concentrations of TPH, BTEX, and/or chloride were not detected above Table 1 Closure Criteria at the Site.

NSP

CONCLUSIONS AND CLOSURE REQUEST

In response to the release of produced water, Hilcorp was able to capture and remove a significant volume of the released liquids on November 16, 2021. Delineation soil samples indicate that concentrations on TPH, BTEX, and chloride do not exceed applicable Table 1 Closure Criteria in Site soils. As such, Hilcorp formally requests Site closure from the NMOCD and BLM, as well as approval that no further action is necessary to remediate the Site.

If you have any questions or comments, please do not hesitate to contact Mr. Stuart Hyde at stuart.hyde@wsp.com, or at (970) 385-1096 or Mitch Killough at (713) 757-5247 or at mkillough@hilcorp.com.

Kind regards,

Stuart Hyde, L.G. Senior Geologist

cc: Mitch Killough, Hilcorp Energy Company

Enclosures:

Figure 1	Site Location Map
Figure 2	Site Receptor Map
Figure 3	Delineation Soil Boring Locations

Table 1Soil Analytical Results

Photographic Log

Enclosure A Data Sheet for Deep Bed Cathodic Protection Wells, 32-8 Unit 233
Enclosure B WSP Field Notes
Enclosure C Laboratory Analytical Reports

Ashley L. ager

Ashley Ager, M.S., P.G. Senior Geologist, Managing Director



Released to Imaging: 1/28/2022 10:58:08 AM

C:\Users\USJG689584\OneDrive - WSP O365\Documents\TE017821041_SAN JUAN 32-8 #233\MXD\017821041_FIG01_SJ 32-8 #233_SL_2022.mxd





Released to Imaging: 1/28/2022 10:58:08 AM

TABLES

TABLE 1SOIL ANALYTICAL RESULTS

SAN JUAN 32-8 UNIT 233 HILCORP ENERGY COMPANY SAN JUAN COUNTY, NEW MEXICO

Soil Sample Identification	Sample Date	Sample depth	Field Headspace (ppm)	Field Chloride Test Strip (ppm)	Chlorides (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	TPH- GRO+DRO (mg/kg)	TPH (mg/kg)
NMOCD Table 1 Closure Criteria		20,000	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500			
SB01 Surface	11/19/2021	0'	1.2	<120	<60	< 0.023	< 0.046	< 0.046	< 0.093	< 0.093	<4.6	<9.6	<48	<9.6	<48
SB01 0-1'	11/19/2021	0-1'	2.1	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB01 1-2'	11/19/2021	1-2'	0.8	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB01 2-3'	11/19/2021	2-3'	0.8	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB01 3-4'	11/19/2021	3-4'	1.1	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB01 4-5'	11/19/2021	4-5'	1.1	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02 Surface	11/19/2021	0'	0.8	412	2,500	< 0.024	< 0.048	< 0.048	< 0.096	< 0.096	<4.8	<9.3	<47	<9.3	<47
SB02 0-1'	11/19/2021	0-1'	0.8	268	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02 1-2'	11/19/2021	1-2'	0.6	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02 2-3'	11/19/2021	2-3'	0.6	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02 3-4'	11/19/2021	3-4'	0.4	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB02 4-5	11/19/2021	4-5'	0.4	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03 Surface	11/19/2021	0'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03 0-1'	11/19/2021	0-1'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03 1-2'	11/19/2021	1-2'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB03 2-3'	11/19/2021	2-3'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB04 Surface	11/19/2021	0'	0.0	184	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB04 0-1'	11/19/2021	0-1'	0.0	<120	<60	< 0.023	< 0.047	< 0.047	<0.094	< 0.094	<4.7	<9.9	<50	<9.9	<50
SB04 1-2'	11/19/2021	1-2'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05 Surface	11/19/2021	0'	0.6	<120	85	< 0.023	< 0.046	< 0.046	< 0.091	< 0.091	<4.6	<8.2	<41	<8.2	<41
SB05 0-1'	11/19/2021	0-1'	0.4	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05 1-2'	11/19/2021	1-2'	0.4	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05 2-3	11/19/2021	2-3	0.2	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05 3-4	11/19/2021	3-4'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB05 4-5	11/19/2021	4-5'	0.0	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BH01 0-0.5	12/21/2021	0-0.5	0.0	<128	<60	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<9.2	<46
BH01 1.5-2	12/21/2021	1.5-2	0.0	<128	NA	NA -0.022	NA -0.047	NA -0.047	NA -0.004	NA 10.004	NA 14.7	NA 10.7	NA -40	NA 10.7	NA - 40
BH01 3.5-4	12/21/2021	3.5-4	0.0	<128	<60	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<9.7	<49
BH02 0-0.5	12/21/2021	0-0.5	0.0	<04	<60	<0.023	<0.047	<0.047	<0.094	<0.094	<4./	<9.5	<4/	<9.5	<47
BH02 1.5-2 BH02 2.5 4!	12/21/2021	1.5-2	0.0	<04	NA -61	NA <0.024	NA <0.047	NA <0.047	NA <0.005	-0.005	NA <4.7	NA <0.8	NA <10		-40
BH02 5.5-4	12/21/2021	0.0.5'	0.0	<64	<01	< 0.024	<0.047	<0.047	<0.093	<0.093	<4.7	< 9.8	<49	<9.0	<49
BH03 1 5 2'	12/21/2021	1.5.2'	0.0	<64	<00 NI A	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48 NA	<9.7	<48 NA
BH03 2 5 4'	12/21/2021	2.5.4	0.0	<64	-50	NA <0.024	NA <0.048	-0.048	-0.096	-0.096	-1 8	NA ~0.0	NA <19	NA <0.0	-40
BH03 5.5-4	12/21/2021	0.0.5'	0.0	<64	<53	<0.024	<0.048	<0.048	<0.090	<0.090	<4.8	< 9.9	<49	< 9.9	<49
BH04 1 5-2'	12/21/2021	1.5-2'	0.0	<64	<01 NA	<0.025	<0.047	<0.047	<0.093	<0.093	<4.7 NA	<9.0 NA	<43 NA	<9.0 NA	NA
BH04 2.5 4'	12/21/2021 12/21/2021	3.5 1'	0.0	<04	-60	<0.024	-0 0/18	-0 048	<0 005	<0.005	-1 8	-0 A	-17	-0 A	~17
BH05 0_0 5'	12/21/2021	0-0.5'	0.0	<64	82	<0.024	<0.040	<0.047	<0.095	<0.095	<7.0 // 7	<10	<50	<10	<50
BH05 1 5 2'	12/21/2021 12/21/2021	1.5.2'	0.0	<0 4	-60	<0.025	<0.047	<0.047	<0.094	<0.094	<4.7 ~1 8	<10	<50	<10	<50
BH05 1.5-2 BH06 0_0 5'	12/21/2021	0_0.5'	0.0	76.0	210	<0.024	<0.040	<0.040	<0.095	<0.095	<+.0 -/1 0	<7.7 ~0 /	~17	<7.7 ~0 /	~17
BH06 1 5-2'	12/21/2021 12/21/2021	1 5-2'	0.0	~6A	~60	<0.023	<0.049	<0.049	<0.098	<0.098	<4.7 -/1.6	< 7.4	<47 ~18	<7. 4	<47 ~18
BH06 2 5 4'	12/21/2021 12/21/2021	1.J-2 2.5 A'	0.0	<04 ~64	<0U NLA	<0.025 NA	<0.040 NIA	<0.040 NIA	<0.092 NA	<0.092 NA	<4.0 NIA	<9.0 NA	<40 NA	<9.0 NIA	<40 NLA
DELICO 3.3-4	12/21/2021	5.3-4	0.0	<04	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA	INA

Notes:

< - indicates result is less than the stated laboratory reporting limit

Bold - indicates value exceeds stated NMOCD closure criteria

BTEX - benzene, toluene, ethylbenzene, and total xylenes analyzed by US EPA Method 8021B

DRO - diesel range organics analyzed by US EPA Method 8015D

GRO - gasoline range organics analyzed by US EPA Method 8015D

mg/kg - milligrams per kilogram

MRO - motor oil range organics analyzed by US EPA Method 8015D

NA - not analyzed

NE - not established

NMOCD - New Mexico Oil Conservation Division

ppm - parts per million

TPH - total petroleum hydrocarbon (sum of GRO, DRO, and MRO)

' - feet

.

PHOTOGRAPHIC LOG

Received by OCD: 1/21/2022 10:37:24 AM



		SAN JUAN SZ-6 UNIT 255	
COMPA		SAN JUAN COUNTY, NEW MEXICO	NAPP2133320044
Photo No.	Date		M .
1	12/21/2022	7	
View of boring	g BH01 looking		
sout	heast.		the manual
			3 A + -
		and the second second	
		144	
		and the second second	and the second s
		- Carlos and a start and a	i stand
		DE CONTRACTOR DE C	and a set of
			The state
			and the second

Photo No.	Date
2	12/21/2022
View of boring B	H02 looking south.

Received by OCD: 1/21/2022 10:37:24 AM



			PHOTOGRAPHIC LOG	
HILCORP EI	NERGY		SAN JUAN 32-8 UNIT 233	NMOCD INCIDENT
СОМРА	NY		SAN JUAN COUNTY, NEW MEXICO	nAPP2133326844
Photo No.	Date		CONTRACTOR AND AND AND A	
3	12/21/20	022		and the second second
View of boring B	H03 looking	west.	a contract of the	Long and the second
	iios iooning	webt.	Tank that is the same state of the second state of	
				- Lynner
			ET + T LA TANK	A State of the second s
			Little and a second	and the second s
			It It is a start of the start o	A SET STATE
			THUS A CAR	Boring BH03
			and the second	Doring Brids
			NA CONTRACTOR	
			Snow removed to hand auger in	and the second second
			this area. Unable to complete	4 5 4 5 1 1
			due to frozen ground.	P THE REAL PROPERTY OF
			1 6 C 6	and the state of the
h				

Photo No.	Date	
4	12/21/2022	THE
4 View of boring sout	12/21/2022 g BH04 looking heast.	

wsp

		PHOTOGRAPHIC LOG	
HILCORP E	NERGY	SAN JUAN 32-8 UNIT 233	NMOCD INCIDENT
СОМРА	NY	SAN JUAN COUNTY, NEW MEXICO	nAPP2133326844
Photo No.	Date		1

5	12/21/2022	
View of boring BH05	5 looking west.	
		the second s
		Contraction of the second s

Photo No.	Date	
6	12/21/2022	
View of borin	g BH06 looking	
sout	theast.	
		Share and the state of the stat
		Constant State State State State
		The second se
		3

ENCLOSURE A – DATA SHEET FOR DEEP BED CATHODIC PROTECTION WELLS, 32-8 UNIT 233

DATA SHEET FOR DEEP BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (SUBMIT 2 COPIES TO OCD AZTEC OFFICE) 30-045-21972-557 PPCO DESIGNATION: FM-516 OPERATOR: PHILLIPS PETROLEUM COMPANY FARMINGTON, N.M. 87401 LEASE NUMBER: NAA (505) 599-3400 NAME OF WELL/S OR PIPELINE SERVED: (1) 32-8#233 (2) N/A ELEVATION:NA COMPLETION DATE: 05/03/91 TOTAL DEFTH: 300 FT. LAND: FEDERAL CASING INFO.; SIZE: 8 IN. TYPE: FVC DEFTH: 20 FT. CEMENT USED: NA IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS: PLUG DEFTH: NONE WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -0- WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LES. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT FIPE FERFORATIONS (FT): TOP 135 EOTTOM 300 REMARKS: -0-	Received by OCD: 1/21/2022 10:37:24 AM	Page 21 05 61
PPCO DESIGNATION: FM-516 OPERATOR: PHILLIPS PETROLEUM COMPANY LOCATION: NE 30-32-8 FARMINGTON, N. M. 87401 LEASE NUMBER: NAA (505) 599-3400 NAME OF WELL/S OR PIPELINE SERVED: (1) 32-8#233 (2) N/A ELEVATION:NA COMPLETION DATE: 05/03/91 TOTAL DEPTH: 300 FT. LAND: FEDERAL CASING INFO.; SIZE: 8 IN. TYPE: FVC DEPTH: 20 FT. CEMENT USED: NA IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS: FLUG DEPTH: NONE FLUG DEPTH: NONE WATER INFORMATION: WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145.160.170.180.195.205.215.225.235.245 DEPTH VENT PIPE PLACED (FT): TOP 135 BOTTOM 300 REMARKS: -0-	DATA SHEET FOR DEEP BED CATHODIC PROTECTION WELL NORTHWESTERN NEW MEXICO (SUBMIT 2 COPIES TO OCD AZTEC OFFICE) 30-04(S-2797)	15 72 501
 (2) N/A ELEVATION:NA COMPLETION DATE: 05/03/91 TOTAL DEPTH: 300 FT. LAND: FEDERAL CASING INFO.: SIZE: 8 IN. TYPE: PVC DEPTH: 20 FT. CEMENT USED: NA IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS: PLUG DEPTH: NONE PLUG ANOUNT: NONE WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -0- WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LES. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -0- 	PPCO DESIGNATION: FM-516 OPERATOR: PHILLIPS PETROLEUM COMPANY LOCATION: NE 30-3 FARMINGTON, N.M. 87401 LEASE NUMBER: NAA (505) 599-3400 NAME OF WELL/S OR PIPELINE SERVED: (1) 32-8#233	92-8
ELEVATION:NA TOTAL DEPTH: 300 FT. CASING INFO.; SIZE: 8 IN. TYPE: FVC DEPTH: 20 FT. CEMENT USED: NA IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS: PLUG DEPTH: NONE FLUG AMOUNT: NONE WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -0- WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 EOTTOM 300 REMARKS: -0-	(2) N/A	
CASING INFO.; SIZE: 8 IN. TYPE: FVC DEPTH: 20 FT. CEMENT USED: NA IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS: PLUG DEPTH: NONE WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -0- WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 EOTTOM 300 REMARKS: -0-	ELEVATION:NA COMPLETION DATE: 05/03/91 TOTAL DEFTH: 300 FT. LAND: FEDERAL	
<pre>IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AMOUNTS:</pre>	CASING INFO.; SIZE: 8 IN. TYPE: PVC DEPTH: 20 FT. CEMENT USED: NA	
WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -O- WATER INFORMATION: NA DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -O-	IF CEMENT OR BENTONITE PLUGS HAVE BEEN PLACED, SHOW DEPTHS & AM PLUG DEPTH: NONE PLUG AMOUNT: NONE	IOUNTS:
DEPTHS GAS ENCOUNTERED (FT): NA TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -0-	WATER INFORMATION: WATER DEPTH (FT): (1) 120 (2) -0- WATER INFORMATION: NA	
TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS. DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -0-	DEPTHS GAS ENCOUNTERED (FT): NA	
DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245 DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -0-	TYPE AND AMOUNT OF COKE BREEZE USED: COKE TYPE: METALLURGICAL COKE BREEZE COKE AMOUNT: 3834 LBS.	
DEPTH VENT PIPE PLACED (FT): 300 VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -O-	DEPTHS ANODES PLACED (FT): 145,160,170,180,195,205,215,225,235,245	
VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300 REMARKS: -O-	DEPTH VENT PIPE PLACED (FT): 300	
REMARKS: -0-	VENT PIPE PERFORATIONS (FT): TOP 135 BOTTOM 300	
	REMARKS: -O-	

IF ANY OF THE ABOVE DATA IS UNAVAILABLE, PLEASE INDICATE SO. COPIES OF ALL LOGS, INCLUDING DRILLERS LOG, WATER ANALYSIS & WELL BORE SCHEMATICS SHOULD BE SUBMITTED WHEN AVAILABLE. UNPLUGGED ABANDONED WELLS ARE TO BE INCLUDED.

* - LAND TYPE MAY BE SHOWN: F-FEDERAL; I-INDIAN; S-STATE; F-FEE IF FEDERAL OR INDIAN, ADD LEASE NUMBER.

NA-INFORMATION NOT AVAILABLE

CC: CP FILE--FARMINGTON HOUSTON

REPRODUCTION OF "OCD" FORM

FEB21/1992

OIL CON. DIV.

ENCLOSURE B – FIELD NOTES

Location 57 32-8 # 233 Date 11/19/21 143 Page 23 of 61 Received by OCD Project / Client Hilcorp EC, Rentz, Hund Auger, PID, CIX SUNNY 50'S 1100 Ec on site for site investigation reicoso response Salt crusting inside bermed area SBOI NOF TONKS Surface 1.2 PPM 1.4 <120 Let sand lgrover 0-1 2.1 0.2 <120 blegray clay maiss 300 1-7 0-8 0.7 <120 2-3 0.4 < 120 0.8 3-4 1.1 0.2 < 120 111 4-5 0,2 < 120 Bern NW side 5B02 Berm 15 Still Wet Slight ader ID PID CI 3:15 Surface O-8 3.0 412 10. brown Some 0-1 0-8 2.4 268 1-2 0.6 1.4 <120 2-3 0-6 0.2 - <170 3-4 10,7 2170 0-4 0,7 2120 4-5 0.21 Standing water new tank CI = \$ G.GHR 2046 nodilucion

Received by OCD 1/21/2022 10:37:24 AM Location Contd

Date

Rage 24 of 61

Project / Client _____

Sur	face ?	stain	Nu	of berm	
	C1"	= LR	2-0	184	
(7.	2				
700	3 IV	t of l	rm		
	Surface	0.0	O z l w		
	0-1	0.0	0 2170		
	1-2	0.6	0 < 120		
	2-3	0-0	0 < 120	7	
SBO	DH N	01	berm		
	Surface	0.0	a.0 470	184	13:20
	0-1	0,0	0.02120		
	1-2	0.0	Oucho		
SBOU	2	1			
м 2	Surface	0.6	0.4<170		13:30
	1	0.4	0.2212		
	2	0-4	0,2 (120	3	
	3	0.2	0.2612	-	
	4	0-0	0,200	, ,	
	5	0_0	0.2 <12	0	
		v			

.

Location San June 32-8 # 233 Date 10/21/21 Project / Client RH, Ruhl Truch, PID, RI, chlorite hit. 1035 - RH in site to hand anger 7 additional delineation barings. - Enannel W/ BLM on site upon arrival. 1110 - Pranel of site 12 Single 7:m L1-BHOIL PID 0-0-5" 0.2 < 128 Park gray silt & Clays D 206 1.5-2' SAA we some gravel О 0 < 128 -0<128 1206 pray/graple silt & clay 3.5-4 0 0-60-05 gray day, some silt B1+02 0.2<64 1310 0 0.2 <64 - It & and 0 15-2 -0 <64 1310 silt, Sail, Cluy, Some gravel 3.5-4 0 BH03 sandy silt 0,2<64 1445 0-05 0 15-2 U <641 -0 SAA 0<64 1445 SAA Some groul 35-4 0 10 BHOY -0-0464 gray silly Clay 3-05 0 0<64 1400 15-2 0<64 0 ____ W/ Sime winge 3.5-4 0 <64 11400 \bigcirc soul cont -



Page 25 of 6

ENCLOSURE C – LABORATORY ANALYTICAL REPORTS



December 03, 2021

Stuart Hyde 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: clients.hallenvironmental.com

RE: SJ 32 8 233

OrderNo.: 2111A63

Dear Stuart Hyde:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/20/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2111A63

Date Reported: 12/3/2021

11/23/2021 10:22:29 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: SB01 Surface **Project:** SJ 32 8 233 Collection Date: 11/19/2021 1:00:00 PM Lab ID: 2111A63-001 Matrix: SOIL Received Date: 11/20/2021 8:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 11/23/2021 3:38:12 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 11/23/2021 3:38:12 PM Surr: DNOP 101 70-130 %Rec 1 11/23/2021 3:38:12 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 11/24/2021 2:51:00 PM 4.6 mg/Kg 1 Surr: BFB 96.0 70-130 %Rec 1 11/24/2021 2:51:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.023 mg/Kg 11/24/2021 2:51:00 PM 1 Toluene ND 0.046 mg/Kg 1 11/24/2021 2:51:00 PM Ethylbenzene ND 0.046 mg/Kg 1 11/24/2021 2:51:00 PM Xylenes, Total ND 0.093 mg/Kg 1 11/24/2021 2:51:00 PM Surr: 4-Bromofluorobenzene 90.6 70-130 %Rec 1 11/24/2021 2:51:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT

ND

60

ma/Ka

20

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

Qualifiers:

Chloride

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 Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 10

Analytical Report Lab Order 2111A63

Date Reported: 12/3/2021

11/24/2021 6:08:42 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: SB02 Surface **Project:** SJ 32 8 233 Collection Date: 11/19/2021 1:15:00 PM Lab ID: 2111A63-002 Matrix: SOIL Received Date: 11/20/2021 8:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 11/23/2021 4:02:33 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 11/23/2021 4:02:33 PM Surr: DNOP 98.1 70-130 %Rec 1 11/23/2021 4:02:33 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 11/24/2021 3:11:00 PM 4.8 mg/Kg 1 Surr: BFB 94.6 70-130 %Rec 1 11/24/2021 3:11:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.024 mg/Kg 11/24/2021 3:11:00 PM 1 Toluene ND 0.048 mg/Kg 1 11/24/2021 3:11:00 PM Ethylbenzene ND 0.048 mg/Kg 1 11/24/2021 3:11:00 PM Xylenes, Total ND 0.096 mg/Kg 1 11/24/2021 3:11:00 PM Surr: 4-Bromofluorobenzene 89.2 70-130 %Rec 1 11/24/2021 3:11:00 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS

2500

150

ma/Ka

50

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

Qualifiers:

Chloride

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 Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 10

Analytical Report Lab Order 2111A63

Date Reported: 12/3/2021

11/24/2021 10:43:57 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: SB04 0-1' **Project:** SJ 32 8 233 Collection Date: 11/19/2021 1:20:00 PM Lab ID: 2111A63-003 Matrix: SOIL Received Date: 11/20/2021 8:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 11/23/2021 4:26:52 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 11/23/2021 4:26:52 PM Surr: DNOP 98.6 70-130 %Rec 1 11/23/2021 4:26:52 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 11/24/2021 3:30:00 PM 4.7 mg/Kg 1 Surr: BFB 95.7 70-130 %Rec 1 11/24/2021 3:30:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.023 mg/Kg 11/24/2021 3:30:00 PM 1 Toluene ND 0.047 mg/Kg 1 11/24/2021 3:30:00 PM Ethylbenzene ND 0.047 mg/Kg 1 11/24/2021 3:30:00 PM Xylenes, Total ND 0.094 mg/Kg 1 11/24/2021 3:30:00 PM Surr: 4-Bromofluorobenzene 90.5 70-130 %Rec 1 11/24/2021 3:30:00 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS

ND

60

ma/Ka

20

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

Qualifiers:

Chloride

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 Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 10

2111A63-004

Project: SJ 32 8 233

Lab ID:

Analytical Report Lab Order 2111A63

Date Reported: 12/3/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB05 Surface Collection Date: 11/19/2021 1:30:00 PM Received Date: 11/20/2021 8:35:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	8.2	mg/Kg	1	11/29/2021 9:39:04 AM
Motor Oil Range Organics (MRO)	ND	41	mg/Kg	1	11/29/2021 9:39:04 AM
Surr: DNOP	93.0	70-130	%Rec	1	11/29/2021 9:39:04 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/24/2021 10:08:02 AM
Surr: BFB	100	70-130	%Rec	1	11/24/2021 10:08:02 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/24/2021 10:08:02 AM
Toluene	ND	0.046	mg/Kg	1	11/24/2021 10:08:02 AM
Ethylbenzene	ND	0.046	mg/Kg	1	11/24/2021 10:08:02 AM
Xylenes, Total	ND	0.091	mg/Kg	1	11/24/2021 10:08:02 AM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	11/24/2021 10:08:02 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	85	59	mg/Kg	20	11/24/2021 11:45:41 AM

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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 10

Client:	HILCORI	PENERGY							
Project:	SJ 32 8 23	33							
Sample ID:	MB-64134	SampType:	mblk	Tes	tCode: EPA Metho	d 300.0: Anions	i		
Client ID: F	PBS	Batch ID:	64134	F	RunNo: 83084				
Prep Date:	11/23/2021	Analysis Date:	11/23/2021	S	SeqNo: 2951478	Units: mg/Kg	J		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC LowLim	it HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5						
Sample ID: L	_CS-64134	SampType:	lcs	Tes	tCode: EPA Metho	d 300.0: Anions			
Client ID: L	CSS	Batch ID:	64134	F	RunNo: 83084				
Prep Date:	11/23/2021	Analysis Date:	11/23/2021	S	SeqNo: 2951479	Units: mg/Kg	J		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC LowLim	it HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1	.5 15.00	0	93.7 9	0 110			
Sample ID:	MB-64155	SampType:	mblk	Tes	tCode: EPA Metho	d 300.0: Anions			
Client ID: F	PBS	Batch ID:	64155	F	RunNo: 83124				
Prep Date:	11/24/2021	Analysis Date:	11/24/2021	S	SeqNo: 2952997	Units: mg/Kg	J		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC LowLim	it HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5						
Sample ID: L	_CS-64155	SampType:	lcs	Tes	tCode: EPA Metho	d 300.0: Anions			
Client ID:	_CSS	Batch ID:	64155	F	RunNo: 83124				
Prep Date:	11/24/2021	Analysis Date:	11/24/2021	S	SeqNo: 2952998	Units: mg/Kg	J		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC LowLim	it HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1	.5 15.00	0	93.6 9	0 110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2111A63

03-Dec-21

Page	33	of	61
------	----	----	----

WO#:	2111A63
	03-Dec-21

Qual

Qual

Qual

Client:	HILCORP ENERG	Y							
Project:	SJ 32 8 233								
Sample ID: LCS-64	126 SampT	ype: LCS	6	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics
Client ID: LCSS	Batc	h ID: 641	26	F	unNo: 8	3086			
Prep Date: 11/23/2	2021 Analysis E	Date: 11/	/23/2021	S	eqNo: 2	951616	Units: mg/K	g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics (D	DRO) 46	10	50.00	0	91.3	68.9	135		
Surr: DNOP	4.8		5.000		95.7	70	130		
Sample ID: MB-641	26 Samp1	Гуре: МВ І	LK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics
Client ID: PBS	Batc	h ID: 641	26	F	unNo: 8	3086			
Prep Date: 11/23/2	Analysis E	Date: 11/	/23/2021	S	eqNo: 29	951617	Units: mg/K	g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics (D	ND ND	10							
Motor Oil Range Organics	(MRO) ND	50							
Surr: DNOP	7.6		10.00		76.1	70	130		
Sample ID: MB-641	51 Samp1	Гуре: МВ І	LK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics
Client ID: PBS	Batc	h ID: 641	51	F	unNo: 8	3128			
Prep Date: 11/24/2	2021 Analysis E	Date: 11/	/29/2021	S	eqNo: 29	953455	Units: mg/K	g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics (D	ND ND	10							
Motor Oil Range Organics	(MRO) ND	50							
Surr: DNOP	10		10.00		103	70	130		

Sample ID: LCS-64151	SampType: LCS TestCode				tCode: El	de: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	ID: 64	151	F	RunNo: 8	3128					
Prep Date: 11/24/2021	Analysis Da	ate: 11	/29/2021	5	SeqNo: 2	953457	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135				
Surr: DNOP	5.0		5.000		99.1	70	130				
Sample ID: MB-64165	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	ID: 64	165	F	RunNo: 8	3128					
Prep Date: 11/24/2021	Analysis Da	ate: 11	/29/2021	S	SeqNo: 2	953508	Units: %Re	•			

Prep [Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Result Surr: DNOP 9.5 10.00 95.4 70 130

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 10

Client:	HILC	ORP ENERG	Y								
Project:	SJ 32	8 233									
Sample ID:	LCS-64165	SampT	ype: LC	s	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	n ID: 64	165	R	unNo: 8	3128				
Prep Date:	11/24/2021	Analysis D	ate: 1	1/29/2021	S	eqNo: 29	953509	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.6		5.000		92.1	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2111A63 03-Dec-21

Client: Project:	HILCOR SJ 32 8 2	P ENERG 33	Ϋ́Υ								
Sample ID:	mb-64119	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batc	h ID: 64	119	F	RunNo: 8	3087				
Prep Date:	11/23/2021	Analysis E	Date: 11	1/24/2021	S	SeqNo: 2	951620	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 950	5.0	1000		95.4	70	130			
Sample ID:	lcs-64119	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batc	h ID: 64	119	F	RunNo: 8 :	3087				
Prep Date:	11/23/2021	Analysis I	Date: 11	1/24/2021	S	SeqNo: 2	951621	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB		1100		1000		114	70	130			
Sample ID:	mb-64130	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batc	h ID: 64	130	F	RunNo: 8 :	3119				
Prep Date:	11/23/2021	Analysis [Date: 11	1/24/2021	S	SeqNo: 2	952506	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 1000	5.0	1000		104	70	130			
Sample ID:	lcs-64130	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batc	h ID: 64	130	F	RunNo: 8 :	3119				
Prep Date:	11/23/2021	Analysis I	Date: 11	1/24/2021	S	SeqNo: 2	952507	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	24	5.0	25.00	0	94.3	78.6	131			
Surr: BFB		1200		1000		115	70	130			
Sample ID:	2111a63-004ams	Samp	Гуре: М\$	6	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	9	
Client ID:	SB05 Surface	Batc	h ID: 64	130	F	RunNo: 8	3119				
Prep Date:	11/23/2021	Analysis [Date: 11	1/24/2021	S	SeqNo: 2	952509	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	21	4.9	24.61	0	84.2	61.3	114			
Surr: BFB		1100		984.3		111	70	130			
Sample ID:	2111a63-004amsd	Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	9	
Client ID:	SB05 Surface	Batc	h ID: 64	130	F	RunNo: 8 :	3119				
Prep Date:	11/23/2021	Analysis [Date: 11	1/24/2021	S	SeqNo: 2	952510	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 10

WO#: 2111A63 03-Dec-21

Client:	HILCORP	ENERGY									
Project:	SJ 32 8 23	3									
Sample ID: 2111a	63-004amsd	SampTyp	e: M	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: SB05	Surface	Batch II): 64	130	F	RunNo: 8 3	3119				
Prep Date: 11/23	/2021	Analysis Date	e: 1	1/24/2021	S	SeqNo: 29	952510	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organi	cs (GRO)	24	4.7	23.67	0	100	61.3	114	13.7	20	
Surr: BFB		1100		947.0		114	70	130	0	0	

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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2111A63 03-Dec-21

Client:	HILCOR	P ENERG	Y								
Project:	SJ 32 8 2	33									
Sample ID: ml	b-64119	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PE	BS	Batc	h ID: 64	119	F	RunNo: 8	3087				
Prep Date: 1	1/23/2021	Analysis I	Date: 11	/24/2021	S	SeqNo: 2	951626	Units: mg/k	٢g		
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-Bromoflu	Jorobenzene	0.90		1.000		89.5	70	130			
Sample ID: Ics	s-64119	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LC	CSS	Batc	h ID: 64	119	F	RunNo: 8	3087				
Prep Date: 1	1/23/2021	Analysis [Date: 11	/24/2021	S	SeqNo: 2	951627	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.85	0.025	1.000	0	84.5	80	120			
Toluene		0.86	0.050	1.000	0	86.0	80	120			
Ethylbenzene		0.89	0.050	1.000	0	88.9	80	120			
Xylenes, Total		2.6	0.10	3.000	0	87.8	80	120			
Surr: 4-Bromoflu	lorobenzene	0.93		1.000		93.2	70	130			
Sample ID: ml	b-64130	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PE	BS	Batc	h ID: 64	130	F	RunNo: 8	3119				
Prep Date: 1	1/23/2021	Analysis [Date: 11	/24/2021	S	SeqNo: 2	952553	Units: mg/k	٢g		
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-Bromoflu	lorobenzene	1.0		1.000		101	70	130			
Sample ID: LC	CS-64130	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LC	CSS	Batc	h ID: 64	130	F	RunNo: 8	3119				
Prep Date: 1	1/23/2021	Analysis [Date: 11	/24/2021	S	SeqNo: 2	952554	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.85	0.025	1.000	0	85.4	80	120			
Toluene		0.86	0.050	1.000	0	85.6	80	120			
Ethylbenzene		0.86	0.050	1.000	0	86.4	80	120			
Xylenes, Total		2.6	0.10	3.000	0	86.3	80	120			
Surr: 4-Bromoflu	lorobenzene	1.1		1.000		106	70	130			

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 Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

WO#:	2111A63
	02 D 21

Page	38	of	61
		- J	

.

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmer TEL: 505-345-3 Website: client	ntal Analysis Labor 4901 Hawkin Albuquerque, NM & 975 FAX: 505-345- s.hallenvironmenta	ratory ns NE 87109 San 4107 1.com	nple Log-In Cheo	k List
Client Name: HILCORP ENERGY	Work Order Num	ber: 2111A63		RcptNo: 1	
Received By: Juan Rojas	11/20/2021 8:35:00	AM	Guarday		
Completed By: Juan Rojas	11/20/2021 9:02:31	AM	Heaning		
Reviewed By: m 11/20/2024					
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In					
Was an attempt made to cool the sample	oles?	Yes 🖌	No	NA	
4. Were all samples received at a temperative of the temperature of te	ature of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌		
6. Sufficient sample volume for indicated I	est(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) pr	operly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
0. Were any sample containers received I	proken?	Yes	No 🗹 🛛	# of preserved	
1. Does paperwork match bottle labels?		Yes 🔽	No 🗌	bottles checked for pH:	
(Note discrepancies on chain of custody	/)	. .		(<2 or >12 u Adjusted?	nless noted)
2. Are matrices correctly identified on Cha	In of Custody?	Yes 🔽		/ lajuolou!	
4 Were all holding times able to be met?	16	Yes V		Checked by TAN	20/21
(If no, notify customer for authorization.))				<u></u>
pecia <mark>l Handling (if a</mark> pplicable)					
15. Was client notified of all discrepancies	with this order?	Yes	No 🗌	NA 🔽	
Person Notified:	Date				
By Whom:	Via:	eMail F	hone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
6. Additional remarks:					
7. Cooler Information					
Cooler No Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

Client: Mailing	Chain	-of-Cı lilcorp <u>h Ki</u>	ustody Record	Turn-Around I⊈ Standard Project Nam S J Project #:	Time:	3 Da V <u>- 11- 24</u> 233	HALL ENVIRONMENTA ANALYSIS LABORATO www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request				r -										
email o QA/QC	pr Fax#: Package ndard	MK: HOUNG	□ Level 4 (Full Validation)	Project Mana Gt c	ager: Nart Hyde	- WS12	AB's (80 21)	DRO / MRO)	32 PCB's	(270SIMS) ₂ , PO ₄ , SO ₄			ent/Absent)					
	AC (Type)	□ A2 C0 □ Othe		On Ice: # of Coolers: Cooler Temp	Cincluding CF): 7:	□ No -0.2 = j.9 (°C)	X/MTBE/TN	:8015D(GRO / E	Pesticides/808	(Method 504.1	s by 8310 or 82	A 8 Metals	, Br, NO ₃ , NC	(VOA)	(Semi-VOA)	l Coliform (Pres					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO. 211463	BTE	TPH	8081	EDB	PAH	RCR	, Ci)F	8260	8270	Tota					
11-17	1500	5011	SBOI Surface	14-	2001	-001	X	X					X					\rightarrow	+		
	1312		SBOAL Surface	1.		-00.2	\prec	X					X					\rightarrow	\rightarrow		+
X	1320		SBOY O-1 CBOS SIACCOM		<u> </u>	-005	×	× X					×			_		+		_	+
	1520	-	SDOJ SUN FACE			004	~	<u>/,</u>	_				~					+			+
																		+	+		1
																					T
						i di a															
																		$ \rightarrow$	-+		_
										_									\rightarrow	_	_
Date: 1/19/20 Date: 1/19/20	Time: 1434 Time: 1749	Relinquish Relinquish	ed by: ed by: ed by: wt.Wall	Received by: Received by:	Via: Via: Via:	Date Time $\frac{11}{19} \frac{19}{21} \frac{1434}{1434}$ Date Time $1120 \frac{12}{21} \frac{1435}{21} \frac{1435}{21}$	Ren	narks	5:												



January 04, 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: clients.hallenvironmental.com

OrderNo.: 2112D38

Dear Mitch Killough:

RE: San Juan 32-8 233

Hall Environmental Analysis Laboratory received 12 sample(s) on 12/23/2021 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

San Juan 32-8 233

Project:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH01 0-0.5 Collection Date: 12/21/2021 12:06:00 PM Received Date: 12/23/2021 7:40:00 AM

Lab ID: 2112D38-001	Matrix: SOIL	Received Date: 12/23/2021 7:40:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/28/2021 6:17:04 PM		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/28/2021 6:17:04 PM		
Surr: DNOP	93.5	70-130	%Rec	1	12/28/2021 6:17:04 PM		
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: mb		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/28/2021 5:47:00 PM		
Surr: BFB	87.9	70-130	%Rec	1	12/28/2021 5:47:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: mb		
Benzene	ND	0.025	mg/Kg	1	12/28/2021 5:47:00 PM		
Toluene	ND	0.049	mg/Kg	1	12/28/2021 5:47:00 PM		
Ethylbenzene	ND	0.049	mg/Kg	1	12/28/2021 5:47:00 PM		
Xylenes, Total	ND	0.099	mg/Kg	1	12/28/2021 5:47:00 PM		
Surr: 4-Bromofluorobenzene	77.9	70-130	%Rec	1	12/28/2021 5:47:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	12/30/2021 10:28:27 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 1 of 18

San Juan 32-8 233

Project:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH01 3.5-4 Collection Date: 12/21/2021 12:06:00 PM Received Date: 12/23/2021 7:40:00 AM

Lab ID: 2112D38-002	2112D38-002 Matrix: SOIL Received Date: 12/23/2021				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/28/2021 6:27:36 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/28/2021 6:27:36 PM
Surr: DNOP	95.2	70-130	%Rec	1	12/28/2021 6:27:36 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/28/2021 6:46:00 PM
Surr: BFB	83.1	70-130	%Rec	1	12/28/2021 6:46:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.023	mg/Kg	1	12/28/2021 6:46:00 PM
Toluene	ND	0.047	mg/Kg	1	12/28/2021 6:46:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	12/28/2021 6:46:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	12/28/2021 6:46:00 PM
Surr: 4-Bromofluorobenzene	77.0	70-130	%Rec	1	12/28/2021 6:46:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	12/30/2021 11:05:29 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 18

San Juan 32-8 233

Project:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH02 0-0.5 Collection Date: 12/21/2021 1:10:00 PM Received Date: 12/23/2021 7:40:00 AM

Lab ID: 2112D38-003	Matrix: SOIL	Received Date: 12/23/2021 7:40:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/28/2021 6:38:07 PM		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/28/2021 6:38:07 PM		
Surr: DNOP	93.1	70-130	%Rec	1	12/28/2021 6:38:07 PM		
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: mb		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/28/2021 7:05:00 PM		
Surr: BFB	87.4	70-130	%Rec	1	12/28/2021 7:05:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: mb		
Benzene	ND	0.023	mg/Kg	1	12/28/2021 7:05:00 PM		
Toluene	ND	0.047	mg/Kg	1	12/28/2021 7:05:00 PM		
Ethylbenzene	ND	0.047	mg/Kg	1	12/28/2021 7:05:00 PM		
Xylenes, Total	ND	0.094	mg/Kg	1	12/28/2021 7:05:00 PM		
Surr: 4-Bromofluorobenzene	79.0	70-130	%Rec	1	12/28/2021 7:05:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	12/30/2021 11:17:51 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 18

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2112D38

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/4/2022 **CLIENT: HILCORP ENERGY** Client Sample ID: BH02 3.5-4 San Juan 32-8 233 Collection Date: 12/21/2021 1:10:00 PM 2112D38-004 Matrix: SOIL Received Date: 12/23/2021 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** 12/28/2021 6:48:40 PM ND 9.8 mg/Kg 1 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 12/28/2021 6:48:40 PM Surr: DNOP 105 70-130 %Rec 1 12/28/2021 6:48:40 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.7 mg/Kg 12/28/2021 7:25:00 PM 1

Surr: BFB	86.5	70-130	%Rec	1	12/28/2021 7:25:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.024	mg/Kg	1	12/28/2021 7:25:00 PM
Toluene	ND	0.047	mg/Kg	1	12/28/2021 7:25:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	12/28/2021 7:25:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	12/28/2021 7:25:00 PM
Surr: 4-Bromofluorobenzene	78.5	70-130	%Rec	1	12/28/2021 7:25:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	61	ma/Ka	20	12/30/2021 11:30:12 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 18

San Juan 32-8 233

Project:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH03 0-0.5 Collection Date: 12/21/2021 2:45:00 PM Received Date: 12/23/2021 7:40:00 AM

Lab ID: 2112D38-005	Matrix: SOIL	Received Date: 12/23/2021 7:40:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	12/28/2021 6:59:11 PM		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/28/2021 6:59:11 PM		
Surr: DNOP	95.1	70-130	%Rec	1	12/28/2021 6:59:11 PM		
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: mb		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/28/2021 7:45:00 PM		
Surr: BFB	87.1	70-130	%Rec	1	12/28/2021 7:45:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: mb		
Benzene	ND	0.024	mg/Kg	1	12/28/2021 7:45:00 PM		
Toluene	ND	0.049	mg/Kg	1	12/28/2021 7:45:00 PM		
Ethylbenzene	ND	0.049	mg/Kg	1	12/28/2021 7:45:00 PM		
Xylenes, Total	ND	0.098	mg/Kg	1	12/28/2021 7:45:00 PM		
Surr: 4-Bromofluorobenzene	79.9	70-130	%Rec	1	12/28/2021 7:45:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	12/30/2021 11:42:32 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 5 of 18

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

12/31/2021 12:19:32 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: BH03 3.5-4 **Project:** San Juan 32-8 233 Collection Date: 12/21/2021 2:45:00 PM Lab ID: 2112D38-006 Matrix: SOIL Received Date: 12/23/2021 7:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 12/29/2021 1:45:19 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 12/29/2021 1:45:19 PM Surr: DNOP 88.3 70-130 %Rec 1 12/29/2021 1:45:19 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 12/28/2021 9:04:00 PM 4.8 mg/Kg 1 Surr: BFB 91.4 70-130 %Rec 1 12/28/2021 9:04:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.024 mg/Kg 12/28/2021 9:04:00 PM 1 Toluene ND 0.048 mg/Kg 1 12/28/2021 9:04:00 PM Ethylbenzene ND 0.048 mg/Kg 1 12/28/2021 9:04:00 PM Xylenes, Total ND 0.096 mg/Kg 1 12/28/2021 9:04:00 PM Surr: 4-Bromofluorobenzene 83.6 70-130 %Rec 1 12/28/2021 9:04:00 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS

ND

59

ma/Ka

20

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

Qualifiers:

Chloride

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 18

San Juan 32-8 233

2112D38-007

Project:

Lab ID:

Analytical Report Lab Order 2112D38

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/4/2022 Client Sample ID: BH04 0-0.5 Collection Date: 12/21/2021 2:00:00 PM

Received Date: 12/23/2021 7:40:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	12/29/2021 1:55:58 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	12/29/2021 1:55:58 PM
Surr: DNOP	84.7	70-130	%Rec	1	12/29/2021 1:55:58 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/28/2021 10:02:00 PM
Surr: BFB	87.1	70-130	%Rec	1	12/28/2021 10:02:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.023	mg/Kg	1	12/28/2021 10:02:00 PM
Toluene	ND	0.047	mg/Kg	1	12/28/2021 10:02:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	12/28/2021 10:02:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	12/28/2021 10:02:00 PM
Surr: 4-Bromofluorobenzene	80.1	70-130	%Rec	1	12/28/2021 10:02:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	61	mg/Kg	20	12/31/2021 12:31:52 AM

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 7 of 18

San Juan 32-8 233

Project:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH04 3.5-4 Collection Date: 12/21/2021 2:00:00 PM Received Date: 12/23/2021 7:40:00 AM

Lab ID: 2112D38-008	Matrix: SOIL	Received Date: 12/23/2021 7:40:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	12/29/2021 2:06:36 PM			
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/29/2021 2:06:36 PM			
Surr: DNOP	88.1	70-130	%Rec	1	12/29/2021 2:06:36 PM			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: mb			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/28/2021 11:01:00 PM			
Surr: BFB	89.9	70-130	%Rec	1	12/28/2021 11:01:00 PM			
EPA METHOD 8021B: VOLATILES					Analyst: mb			
Benzene	ND	0.024	mg/Kg	1	12/28/2021 11:01:00 PM			
Toluene	ND	0.048	mg/Kg	1	12/28/2021 11:01:00 PM			
Ethylbenzene	ND	0.048	mg/Kg	1	12/28/2021 11:01:00 PM			
Xylenes, Total	ND	0.095	mg/Kg	1	12/28/2021 11:01:00 PM			
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	12/28/2021 11:01:00 PM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	ND	60	mg/Kg	20	12/31/2021 12:44:14 AM			

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 18

San Juan 32-8 233

2112D38-009

Project:

Lab ID:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BH05 0-0.5

 Collection Date: 12/21/2021 3:05:00 PM

 Matrix: SOIL

 Received Date: 12/23/2021 7:40:00 AM

 Descript

 Descript

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/29/2021 2:17:15 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/29/2021 2:17:15 PM
Surr: DNOP	89.5	70-130	%Rec	1	12/29/2021 2:17:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/28/2021 11:21:00 PM
Surr: BFB	97.7	70-130	%Rec	1	12/28/2021 11:21:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.023	mg/Kg	1	12/28/2021 11:21:00 PM
Toluene	ND	0.047	mg/Kg	1	12/28/2021 11:21:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	12/28/2021 11:21:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	12/28/2021 11:21:00 PM
Surr: 4-Bromofluorobenzene	87.3	70-130	%Rec	1	12/28/2021 11:21:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	82	60	mg/Kg	20	1/3/2022 11:09:52 AM

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 18

San Juan 32-8 233

2112D38-010

Project:

Lab ID:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH05 1.5-2 Collection Date: 12/21/2021 3:05:00 PM Received Date: 12/23/2021 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/29/2021 2:27:57 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/29/2021 2:27:57 PM
Surr: DNOP	88.2	70-130	%Rec	1	12/29/2021 2:27:57 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/28/2021 11:41:00 PM
Surr: BFB	97.5	70-130	%Rec	1	12/28/2021 11:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.024	mg/Kg	1	12/28/2021 11:41:00 PM
Toluene	ND	0.048	mg/Kg	1	12/28/2021 11:41:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	12/28/2021 11:41:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	12/28/2021 11:41:00 PM
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	12/28/2021 11:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	1/3/2022 11:22:16 AM

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 18

San Juan 32-8 233

2112D38-011

Project:

Lab ID:

Analytical Report Lab Order 2112D38

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/4/2022 Client Sample ID: BH06 0-0.5 Collection Date: 12/21/2021 4:05:00 PM

Received Date: 12/23/2021 7:40:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	12/29/2021 2:38:46 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/29/2021 2:38:46 PM
Surr: DNOP	88.7	70-130	%Rec	1	12/29/2021 2:38:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/29/2021 12:01:00 AM
Surr: BFB	99.2	70-130	%Rec	1	12/29/2021 12:01:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.025	mg/Kg	1	12/29/2021 12:01:00 AM
Toluene	ND	0.049	mg/Kg	1	12/29/2021 12:01:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	12/29/2021 12:01:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	12/29/2021 12:01:00 AM
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	12/29/2021 12:01:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	210	60	mg/Kg	20	1/3/2022 11:34:40 AM

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 11 of 18

San Juan 32-8 233

2112D38-012

Project:

Lab ID:

Analytical Report Lab Order 2112D38

Date Reported: 1/4/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH06 1.5-2 Collection Date: 12/21/2021 4:05:00 PM Received Date: 12/23/2021 7:40:00 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	9.6	mg/Kg	1	12/30/2021 7:55:07 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/30/2021 7:55:07 PM
Surr: DNOP	86.2	70-130	%Rec	1	12/30/2021 7:55:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/29/2021 1:00:00 AM
Surr: BFB	94.3	70-130	%Rec	1	12/29/2021 1:00:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: mb
Benzene	ND	0.023	mg/Kg	1	12/29/2021 1:00:00 AM
Toluene	ND	0.046	mg/Kg	1	12/29/2021 1:00:00 AM
Ethylbenzene	ND	0.046	mg/Kg	1	12/29/2021 1:00:00 AM
Xylenes, Total	ND	0.092	mg/Kg	1	12/29/2021 1:00:00 AM
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	12/29/2021 1:00:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	1/3/2022 11:47:05 AM

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 12 of 18

Client: Project:	HILCO San Ju	ORP ENERGY								
	Sall 30									
Sample ID:	MB-64803	SampType: mb	lk	Tes	tCode: EP	A Method	300.0: Anions	5		
Client ID:	PBS	Batch ID: 648	03	R	lunNo: 84	894				
Prep Date:	12/30/2021	Analysis Date: 12	/30/2021	S	eqNo: 29	86415	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chionde		ND 1.5								
Sample ID:	LCS-64803	SampType: Ics		Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 648	03	R	lunNo: 84	894				
Prep Date:	12/30/2021	Analysis Date: 12	/30/2021	S	eqNo: 29	86416	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	94.2	90	110			
Sample ID:	MB-64806	SampType: mb	lk	Tes	tCode: EP	A Method	300.0: Anions	5		
Client ID:	PBS	Batch ID: 648	06	R	unNo: 84	914				
Prep Date:	12/30/2021	Analysis Date: 1/3	/2022	S	eqNo: 29	87201	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-64806	SampType: Ics		Tes	tCode: EP	A Method	300.0: Anions	;		
Client ID:	LCSS	Batch ID: 648	06	R	unNo: 84	914				
Prep Date:	12/30/2021	Analysis Date: 1/3	/2022	S	eqNo: 29	87202	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	95.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 18

2112D38

04-Jan-22

Client: Project:	HILCOR San Juan	RP ENERG	Y								
	1 00 04705	0			T			004 FM/D D			
Sample ID:	LCS-64735	Sampi	ype: LC	.5	Tes		PA Method	8015WI/D: DI	esel Range	e Organics	
Client ID:	LCSS	Batcl	h ID: 64	735	F	RunNo: 8	4808				
Prep Date:	12/27/2021	Analysis D	Date: 12	2/28/2021	S	SeqNo: 2	983329	Units: mg/l	Кg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	10	50.00	0	103	68.9	135			
Surr: DNOP		5.8		5.000		117	70	130			
Sample ID:	LCS-64745	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch ID: 64745 RunNo: 84858									
Prep Date:	12/28/2021	Analysis D	Date: 12	2/29/2021	S	SeqNo: 2	985134	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	60	10	50.00	0	121	68.9	135			
Surr: DNOP		5.2		5.000		103	70	130			
Sample ID:	MB-64745	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Sample ID: Client ID:	MB-64745 PBS	SampT Batcl	「ype: M I h ID: 64	3LK 745	Tes F	tCode: El RunNo: 8	PA Method 4858	8015M/D: Di	esel Range	e Organics	
Sample ID: Client ID: Prep Date:	MB-64745 PBS 12/28/2021	SampT Batcl Analysis D	Type: ME h ID: 64 Date: 12	3LK 745 2/29/2021	Tes F S	tCode: El RunNo: 8 SeqNo: 2	PA Method 4858 985136	8015M/D: Di Units: mg/l	iesel Rango Kg	e Organics	
Sample ID: Client ID: Prep Date: Analyte	MB-64745 PBS 12/28/2021	SampT Batcl Analysis D Result	Type: ME h ID: 64 Date: 12 PQL	3LK 745 2/29/2021 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit	8015M/D: Di Units: mg/l HighLimit	iesel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (MB-64745 PBS 12/28/2021 Drganics (DRO)	SampT Batcl Analysis D Result 11	Type: ME h ID: 64 Date: 12 PQL 10	3LK 745 2/29/2021 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit	8015M/D: Di Units: mg/I HighLimit	esel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range C Motor Oil Rang	MB-64745 PBS 12/28/2021 Drganics (DRO) je Organics (MRO)	SampT Batcl Analysis E Result 11 ND	Type: ME h ID: 64 Date: 12 PQL 10 50	3LK 745 2/29/2021 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit	8015M/D: Di Units: mg/l HighLimit	iesel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range C Motor Oil Rang Surr: DNOP	MB-64745 PBS 12/28/2021 Drganics (DRO) ge Organics (MRO)	SampT Batcl Analysis D Result 11 ND 9.4	Type: ME h ID: 64 Date: 12 PQL 10 50	3LK 745 2/29/2021 SPK value 10.00	Tes F S SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7	PA Method 4858 985136 LowLimit 70	8015M/D: Di Units: mg/k HighLimit 130	ésel Rang Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range C Motor Oil Rang Surr: DNOP	MB-64745 PBS 12/28/2021 Drganics (DRO) ge Organics (MRO) MB-64735	SampT Batcl Analysis D Result 11 ND 9.4 SampT	Fype: ME h ID: 64 Date: 12 PQL 10 50	3LK 745 2/29/2021 SPK value 10.00 3LK	Tes F SPK Ref Val Tes	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El	PA Method 4858 985136 LowLimit 70 PA Method	8015M/D: Di Units: mg/k HighLimit 130 8015M/D: Di	esel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range C Motor Oil Rang Surr: DNOP Sample ID: Client ID:	MB-64745 PBS 12/28/2021 Drganics (DRO) ge Organics (MRO) MB-64735 PBS	SampT Batcl Analysis D Result 11 ND 9.4 SampT Batcl	Fype: ME h ID: 64 Date: 12 PQL 10 50 Fype: ME h ID: 64	3LK 745 2/29/2021 SPK value 10.00 3LK 735	Tes F SPK Ref Val Tes F	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El RunNo: 8	PA Method 4858 985136 LowLimit 70 PA Method 4859	8015M/D: Di Units: mg/k HighLimit 130 8015M/D: Di	kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date:	MB-64745 PBS 12/28/2021 Drganics (DRO) e Organics (MRO) MB-64735 PBS 12/27/2021	SampT Batcl Analysis D Result 11 ND 9.4 SampT Batcl Analysis D	Fype: ME h ID: 64 Date: 12 PQL 10 50 Fype: ME h ID: 64 Date: 12	3LK 745 2/29/2021 SPK value 10.00 3LK 735 2/29/2021	Tes F SPK Ref Val Tes F S	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El RunNo: 8 SeqNo: 2	PA Method 4858 985136 LowLimit 70 PA Method 4859 985227	8015M/D: Di Units: mg/k HighLimit 130 8015M/D: Di Units: mg/k	iesel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	MB-64745 PBS 12/28/2021 Drganics (DRO) ge Organics (MRO) MB-64735 PBS 12/27/2021	SampT Batcl Analysis D Result 11 ND 9.4 SampT Batcl Analysis D Result	Fype: ME h ID: 64 Date: 1 2 10 50 50 Fype: ME h ID: 64 Date: 1 2 PQL	3LK 745 2/29/2021 SPK value 10.00 3LK 735 2/29/2021 SPK value	Tes F SPK Ref Val Tes F SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit 70 PA Method 4859 985227 LowLimit	8015M/D: Di Units: mg/l HighLimit 130 8015M/D: Di Units: mg/l HighLimit	kg %RPD kesel Range kg %RPD	e Organics RPDLimit e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (MB-64745 PBS 12/28/2021 Drganics (DRO) ge Organics (MRO) MB-64735 PBS 12/27/2021 Drganics (DRO)	SampT Batcl Analysis D Result 11 ND 9.4 SampT Batcl Analysis D Result ND	Fype: M h ID: 64 Date: 1 PQL 10 50 Fype: M h ID: 64 Date: 1 PQL 10	3LK 745 2/29/2021 SPK value 10.00 3LK 735 2/29/2021 SPK value	Tes F SPK Ref Val Tes F SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit 70 PA Method 4859 985227 LowLimit	8015M/D: Di Units: mg/l HighLimit 130 8015M/D: Di Units: mg/l HighLimit	iesel Rango Kg RPD iesel Rango Kg %RPD	e Organics RPDLimit e Organics RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (Motor Oil Rang	MB-64745 PBS 12/28/2021 Drganics (DRO) pe Organics (MRO) MB-64735 PBS 12/27/2021 Drganics (DRO) pe Organics (MRO)	SampT Batcl Analysis D Result 11 ND 9.4 SampT Batcl Analysis D Result ND ND	Fype: ME h ID: 64 Date: 12 PQL 10 50 Fype: ME h ID: 64 Date: 12 PQL 10 50	3LK 745 2/29/2021 SPK value 10.00 3LK 735 2/29/2021 SPK value	Tes SPK Ref Val Tes SPK Ref Val	tCode: El RunNo: 8 SeqNo: 2 %REC 93.7 tCode: El RunNo: 8 SeqNo: 2 %REC	PA Method 4858 985136 LowLimit 70 PA Method 4859 985227 LowLimit	8015M/D: Di Units: mg/k HighLimit 130 8015M/D: Di Units: mg/k HighLimit	esel Range %RPD esel Range %RPD	e Organics 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 14 of 18

2112D38

04-Jan-22

Client: Project:	HILCOR San Juan	P ENERG 32-8 233	Y										
Sample ID:	mb-64725	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e			
Client ID:	PBS	Batch	ID: 64	725	F	RunNo: 84	4821						
Prep Date:	12/23/2021	Analysis D	ate: 12	2/28/2021	S	SeqNo: 2	983480	Units: mg/k	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 880	5.0	1000		88.0	70	130					
Sample ID:	mb-64732	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e			
Client ID:	PBS	Batch	ID: 64	732	F	RunNo: 84821							
Prep Date:	12/27/2021	Analysis D	ate: 12	2/28/2021	S	SeqNo: 2983481			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 910	5.0	1000		90.6	70	130					
Sample ID:	lcs-64725	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e			
Client ID:	LCSS	Batch	ID: 64	725	F	4821							
Prep Date:	12/23/2021	Analysis D	ate: 12	2/28/2021	S	SeqNo: 2 9	983482	Units: mg/k	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang	e Organics (GRO)	25	5.0	25.00	0	102	78.6	131					
Surr: BFB		1100		1000		108	70	130					
Sample ID:	lcs-64732	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Range	e			
Client ID:	LCSS	Batch	ID: 64	732	F	RunNo: 84	4821						
Prep Date:	12/27/2021	Analysis D	ate: 12	2/28/2021	5	SeqNo: 29	983483	Units: mg/k	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	106	78.6	131					
Surr: BFB		1100		1000		109	70	130					
Sample ID:	2112D38-006ams	SampT	ype: M\$	6	Tes	tCode: EF	PA Method	8015D: Gasc	line Range	e			
Client ID:	BH03 3.5-4	Batch	ID: 64	732	F	RunNo: 8 4	4821						
Prep Date:	12/27/2021	Analysis D	ate: 12	2/28/2021	S	SeqNo: 29	983484	Units: mg/k	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Rang	e Organics (GRO)	25	4.8	23.92	0	103	61.3	114					
Surr: BFB		1000		956.9		108	70	130					
Sample ID:	2112D38-006amsc	I SampT	ype: M \$	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e			
Client ID:	BH03 3.5-4	Batch	ID: 64	732	F	RunNo: 8 4	4821						
Prep Date:	12/27/2021	Analysis D	ate: 12	2/28/2021	S	SeqNo: 29	983485	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
- 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 15 of 18

2112D38

04-Jan-22

2000	Iall Environmental Analysis I aboratory Inc							
Hall Env		04-Jan-22						
Client:	HILCORP ENERGY							

Project: San Juan	oject: San Juan 32-8 233													
Sample ID: 2112D38-006amsd	Sample ID: 2112D38-006amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range													
Client ID: BH03 3.5-4	Batch	D: 64	732	R	unNo: 84	4821								
Prep Date: 12/27/2021	Analysis Da	nalysis Date: 12/28/2021			SeqNo: 2983485			Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	26	4.8	24.18	0	108	61.3	114	5.42	20					
Surr: BFB	1000		967.1		105	70	130	0	0					

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

.

Client:	HILCO	RP ENERG	Y									
Project:	San Jua	n 32-8 233										
Sample ID: r	mb-64725	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID: F	PBS	Batch	h ID: 64	725	F	RunNo: 8	4821					
Prep Date:	12/23/2021	Analysis D	Date: 12	2/28/2021	S	SeqNo: 2	983529	Units: mg/Kg				
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-Bromo	ofluorobenzene	0.78		1.000		78.2	70	130				
Sample ID: r	mb-64732	64732 SampType: MBLK				tCode: El	PA Method	8021B: Vola	tiles			
Client ID: F	PBS	Batch	h ID: 64	732	F	RunNo: 8	4821					
Prep Date:	12/27/2021	Analysis D	Date: 12	2/28/2021	5	SeqNo: 2	983530	Units: mg/k	٢g			
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-Bromo	ofluorobenzene	0.81		1.000		81.1	70	130				
Sample ID: I	lcs-64725	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID:	LCSS	Batch	h ID: 64	725	F	RunNo: 8	4821					
Prep Date:	12/23/2021	Analysis D	Date: 12	2/28/2021	S	SeqNo: 2	983531	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.91	0.025	1.000	0	90.6	80	120				
Toluene		0.89	0.050	1.000	0	89.0	80	120				
Ethylbenzene		0.88	0.050	1.000	0	88.3	80	120				
Xylenes, Total		2.6	0.10	3.000	0	86.0	80	120				
Surr: 4-Bromo	ofluorobenzene	0.77		1.000		77.4	70	130				
Sample ID: I	lcs-64732	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID: L	LCSS	Batch	h ID: 64	732	F	RunNo: 8	4821					
Prep Date:	12/27/2021	Analysis D	Date: 12	2/28/2021	S	SeqNo: 2	983532	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.91	0.025	1.000	0	90.7	80	120				
Toluene		0.91	0.050	1.000	0	91.1	80	120				
Ethylbenzene		0.93	0.050	1.000	0	93.2	80	120				
Xylenes, Total		2.8	0.10	3.000	0	91.7	80	120				
Surr: 4-Bromo	ofluorobenzene	0.85		1.000		84.9	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#: 2112D38

Client:

Project:

OC SUMMADV DEDODT

HILCORP ENERGY

San Juan 32-8 233

WO#:	2112D38

04-Jan-22

Hall Environmental Analysis Laboratory, Inc.

Sample ID: 2112D38-007ams	ms SampType: MS TestCode: EPA Method 8021B: Volatiles											
Client ID: BH04 0-0.5	Batcl	h ID: 647	732	F	RunNo: 8 4	4821						
Prep Date: 12/27/2021	Analysis D	Date: 12	/28/2021	S	SeqNo: 2	983533	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.93	0.024	0.9653	0	96.3	80	120					
Toluene	0.93	0.048	0.9653	0	96.7	80	120					
Ethylbenzene	0.95	0.048	0.9653	0	98.9	80	120					
Xylenes, Total	2.8	0.097	2.896	0	97.0	80	120					
Surr: 4-Bromofluorobenzene	0.79		0.9653		81.7	70	130					
Sample ID: 2112D38-007amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles												
Sample ID: 2112D38-007amsd	I SampT	Гуре: МS	D	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Sample ID: 2112D38-007amsd Client ID: BH04 0-0.5	I SampT Batcl	「ype: MS h ID: 64 7	6D 732	Tes F	tCode: El	PA Method 4821	8021B: Volat	tiles				
Sample ID: 2112D38-007amso Client ID: BH04 0-0.5 Prep Date: 12/27/2021	I SampT Batcl Analysis D	Type: MS h ID: 647 Date: 12	6D 732 2/28/2021	Tes F	tCode: El RunNo: 84 SeqNo: 29	PA Method 4821 983534	8021B: Volat Units: mg/K	tiles (g				
Sample ID: 2112D38-007amsc Client ID: BH04 0-0.5 Prep Date: 12/27/2021 Analyte	I SampT Batcl Analysis D Result	Type: MS h ID: 647 Date: 12 PQL	5D 732 2/28/2021 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 84 SeqNo: 29 %REC	PA Method 4821 983534 LowLimit	8021B: Volat Units: mg/k HighLimit	tiles Kg %RPD	RPDLimit	Qual		
Sample ID: 2112D38-007amsc Client ID: BH04 0-0.5 Prep Date: 12/27/2021 Analyte Benzene	I SampT Batcl Analysis D Result 0.90	Type: MS h ID: 647 Date: 12 PQL 0.024	5 D 732 2/28/2021 SPK value 0.9709	Tes F S SPK Ref Val 0	tCode: El RunNo: 8 SeqNo: 2 %REC 93.0	PA Method 4821 983534 LowLimit 80	8021B: Volat Units: mg/K HighLimit 120	tiles Kg %RPD 2.87	RPDLimit 20	Qual		
Sample ID: 2112D38-007amso Client ID: BH04 0-0.5 Prep Date: 12/27/2021 Analyte Benzene Toluene	I SampT Batcl Analysis E Result 0.90 0.92	Type: MS h ID: 647 Date: 12 PQL 0.024 0.049	5D 732 2/28/2021 SPK value 0.9709 0.9709	Tes F SPK Ref Val 0 0	tCode: Ef RunNo: 8 SeqNo: 2 %REC 93.0 94.7	PA Method 4821 983534 LowLimit 80 80	8021B: Volat Units: mg/k HighLimit 120 120	5g %RPD 2.87 1.50	RPDLimit 20 20	Qual		
Sample ID: 2112D38-007amso Client ID: BH04 0-0.5 Prep Date: 12/27/2021 Analyte Benzene Toluene Ethylbenzene	SampT Batcl Analysis D Result 0.90 0.92 0.94	ype: MS h ID: 64 Date: 12 PQL 0.024 0.049 0.049	5D 732 2/28/2021 SPK value 0.9709 0.9709 0.9709	Tes F SPK Ref Val 0 0 0 0	tCode: El RunNo: 8 SeqNo: 2 %REC 93.0 94.7 96.9	PA Method 4821 983534 LowLimit 80 80 80 80	8021B: Volat Units: mg/k HighLimit 120 120 120	5g %RPD 2.87 1.50 1.48	RPDLimit 20 20 20	Qual		
Sample ID: 2112D38-007amso Client ID: BH04 0-0.5 Prep Date: 12/27/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	SampT Batcl Analysis D Result 0.90 0.92 0.94 2.8	ype: MS h ID: 647 Date: 12 PQL 0.024 0.049 0.049 0.097	5D 732 2/28/2021 SPK value 0.9709 0.9709 0.9709 2.913	Tes F SPK Ref Val 0 0 0 0 0 0	tCode: El RunNo: 8 SeqNo: 2 %REC 93.0 94.7 96.9 95.4	PA Method 4821 983534 LowLimit 80 80 80 80 80	8021B: Volat Units: mg/k HighLimit 120 120 120 120	Sg %RPD 2.87 1.50 1.48 1.12	RPDLimit 20 20 20 20 20	Qual		

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
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL
- Reporting Limit

Page 18 of 18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environm TEL: 505-345- Website: clier	ental Analy 490 Albuquerg 3975 FAX: nts.hallenvi	vsis Labor 01 Hawkin 10e, NM 8 505-345- ronmental	atory 18 NE 7109 Sa 4107 Leom	Sample Log-In Check Lis					
Client Name: HILCORP ENERGY	Work Order Nun	nber: 211	2D38		RcptNo	1				
Received By: Isaiah Ortiz	12/23/2021 7:40:0	00 AM		- m	Ox					
Completed By: Isaiah Ortiz	12/23/2021 9:29:2	8 AM		1	OL					
Reviewed By: JA 12/23/21					7					
Chain of Custody										
1. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present					
2. How was the sample delivered?		Cou	rier							
Log In 3. Was an attempt made to cool the samples	?	Yes		No] na []					
4. Were all samples received at a temperature	e of ≥0°C to 6.0°C	Vec		No 🗌						
5. Sample(s) in proper container(s)?		Yes		No 🗌]					
6. Sufficient sample volume for indicated test	s)?	Yes		No [1					
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes		No 🗌						
8. Was preservative added to bottles?		Yes		No 🔽	NA 🗌					
9. Received at least 1 vial with headspace <1/	4" for AQ VOA?	Yes		No 🗌	NA 🔽					
10. Were any sample containers received brok	en?	Yes		No 🔽	t of proconvod					
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	\checkmark	No 🗌	bottles checked for pH:	>12 unless noted)				
12. Are matrices correctly identified on Chain o	Custody?	Yes	\checkmark	No 🗌	Adjusted?					
3. Is it clear what analyses were requested?		Yes	\checkmark	No 🗌		10, 11				
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	\checkmark	No 🗌	Checked by:	X4 12 13 2				
Special Handling (if applicable)						, .				
15. Was client notified of all discrepancies with	this order?	Yes		No 🗌) NA 🗹					
Person Notified: By Whom: Regarding:	Date Via:	e: eMa	ail 🗌 P	hone 🗌 Fa	ax 🗌 In Person					
Client Instructions:										
16. Additional remarks:										
17. <u>Cooler Information</u> Cooler No Temp °C Condition S	eal Intact Seal No	Seal Da	ate	Signed By						
1.6 Good No	t Present									

.

Chain	-of-C	ustody Record	Turr	n-Around	Time:															
Hilco	R			Standard	+ 🗆 Rusł	5 Jay Standa	d L						.E	NN CT		RO		EN		
: M: +	-ch	Killouch	Proj	ect Nam	e:	1.000		2.0	1623		-2114		- T i	эт :	51		SOF	KA I		« ¥ ₅
g Address	:		- So	n Ju	in 32-8:	#257		10	001 L	Jowl	ww	w.ha	illen [.]	viron	imer	ital.co	om			
			Proj	ect #: T	E0178210	41	1	48 T	el 5	1awr 05-3	45-3	NE -	- AI	buqu Fax	ierqu 505	Je, NI	M 871	09		
e #:									01. 0	000	10 0	4	Anal	ysis	Rec	uest	4107	1		
or Fax#:			Proje	ect Mana	ager: Star	+ Hyde		16	1				6			Ę.	and a second	7		
Package: ndard		□ Level 4 (Full Validation)		stua	rt.hydee	2 wsz. com	s (8021	D / MR(PCB's		SIMS		±0±, S(- 2		/Abser				
ditation:	□ Az C	ompliance	Sam	pler: C	ecce Itans	^	MB	DR(382	1	3270		02;			sent				2
	□ Othe	r	On l	ce:	☑ Yes	□ No		NO/	ss/8(504.	or 8	s	S.		(YC	(Pre				
D (Type) <u>-</u>			# of	Coolers:	1	· · · · · · · · · · · · · · · · · · ·	TBE	D D	icide	por	3310	letal	P	7	-ir	n n				
			000	erremp	(including CF). L.7	- 0.1 ke 1.6 (C)	M	30151	Pest	(Metl	by 8	A 8 N	À	NO/	(Sen	Colif				
Time	Matrix	Sample Name	Cont	ainer	Preservative	HEAL NO.		PH:	081	DB	AHs	CR/	E.	260	270	otal				
1 1206	So:1	BH 01 0 - 0.5	2	402	C		7	9	8	Ш	<u> </u>	Ľ.		8	∞			+		\vdash
1206	1	BH01 3.5-4			1	007	1						Ť				_		-	
1310		BH02 0- 0.5				003	+	+					+					_		
1310		B1+02 3.5-4				009	\top	$\left + \right $					+							\vdash
1445		BH03 0-0.5		1		005	\uparrow	+					+					+		
1445		13H 03 3.5-4		1		006	+	\top					\top		-			+		
1900		BH 04 0-0.5				000	T	\top					T					-		
1900		BH 04 3.5-4				008	\top	T				_						+		
1505		BH 05 0-0.5				009														
1505		BH 05 1.5-2				010		T					Τ							
1605		BH 06 0-0.5				011		T												
1605	7	13 # 26 1.5-2	9	/	\downarrow	012	*	f					5							
7;30		ed by:	Received by: Via: Date Time Re				Remarks: strart.hybe & wsp. com)				
Date: Time: Relinquished by: Pate Time 12/22/21 900																				
	 H:1con M:1 g Address #: or Fax#: Package: indard ditation: LAC D (Type)_ Time 12.06 13.10 13.10 13.10 13.10 13.10 13.10 14.45 14.05 14.05 14.05 14.05 15.05 	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	H: $lcorg$.: M: fch K: $ longh$ g Address: g Bit 03: g Bit 0	H: $lcorg$ H: $lcorg$.: M: hch K: $ lough$ Proj. g Address: Proj. g Other On I G Other On I G Other Other G Other	H: I cor gXStandard $: \mathcal{M}: Fch K: oughProject Nameg Address:Project Nameg Address:Project #: Tg Address:Project #: Tg Address:Project #: Tg Address:Project Manageg Address:Project Manageg Address:Project Manageg Address:Project Manageg Address:Project Manageg Address:g Address:g Address:Project Manageg Address:g Addres$	H: $lcorg$ X Standard:Rusi $M: Ich K: oughProject Name:San Fuon 32-8g Address:San Fuon 32-8San Fuon 32-8g Address:Project Manager:San Fuon 32-8g Address:Project Manager:San Fuon 32-8g Address:Project Manager:San Fuon 32-8g Address:Project Manager:Sample:g Address:Project Manager:Sample:g Address:Project Manager:Sample:g Address:Project Manager:Sample:g Address:On Ice:Image:g Address:Image:Image:g Address:Image:$	H:lcorg X Standard Rush Standard : M: tch K: ough Project Name: San Junn $32 \cdot 3 # 237$ g Address: Project Name: San Junn $32 \cdot 3 # 237$ Project Manager: San Junn $32 \cdot 3 # 237$ g Address: Project Manager: Shart Project #: TE 017821041 g Address: Project Manager: Shart project #: TE 017821041 g Address: Project Manager: Shart g Address: Project Manager: Shart g Address: On Ice: Yes No D (Type) # of Coolers: I Cooler Templemauting CP: $17^{-6} o.t vel (.64^{\circ}C)$ Container Preservative HEAL No. Time Matrix Sample Name Type and # Type 1206 Sth 01 3.5 - 4 OO1 OO2 1310 Sth 02 0- 0.5 OO3 OO3 1310 Sth 02 3.5 - 4 OO4 OO4 1444 Bth 03 0- 0.5 OO5 OO5 I'400 Bth 04 3.5 - 4	H:lcorg X Standard Rush Standard<	H: Icorg If Standard Rush Standard Standard g Address: Project Name: San Juan 32-8 # 237 48 g Address: San Juan 32-8 # 237 48 g Address: Project Name: San Juan 32-8 # 237 48 g Address: Project Manager: Standard 10 10 10 g Address: Project Manager: Standard 11 10 10 10 g Address: Good Manager: Standard 11 10 10 10 10 g Address: Gooler: Image: Standard 11 10 1	H:1corg X Standard Rush Standard Standard J: M: + ch K: ongh Project Name: San Junon 32-8 # 237 4901 H g Address: Project Name: San Junon 32-8 # 237 4901 H ##: Project Manager: Standard Itel (100 m) 100 m 100 m ##: Project Manager: Standard Itel (100 m) 100 m 100 m 100 m ##: Itel (100 m) Sampler: Cecce Hanse 100 m 100 m	H:lcorg X Standard Rush Active J. M: tch K: ough Project Name: San Junn 32-8 #237 4901 Hawk g Address: Project Name: San Junn 32-8 #237 4901 Hawk g Address: Project Manager: Standard 1001 Hawk g Address: Project Manager: Standard 1000 Hawk g Address: Project Manager: Standard 100 Hawk g Address: Cooler: Standard 100 Hawk g Address: Good Cooler: Standard 100 Hawk g Address: Cooler: Cooler: 100 Hawk g Address: Cooler: <td< td=""><td>H: Icorg W: Standard Rush Stand AN </td><td>H:Icorg W:Standard Rush John de HALL .: M: Jch K: ough Project Name: Standard Www.ha g Address: San Junn 32-8 #233 Www.ha g Address: Project Name: San Junn 32-8 #233 Www.ha g Address: Project Manager. Short Hydc Standard Www.ha g Address: Project Manager. Short Hydc Standard Standard g Address: Project Manager. Short Hydc Standard Standard g Address: Project Manager. Short Hydc Standard Standard g Address: Other On Ice: BY Yes No D (Type) # of Cooler: On Ice: BY Yes No Time Matrix Sample Name Type and # Type and # Standard Standard 12.e0 So:1 BH o1 00.5 2.4 oz Could Tom Standard Standard Standard Standard 12.e0 So:1 BH o1 3.5-4 Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard</td><td>Hilcorg W:Standard Rush Jandard HALLE 2: M: Icorg W:Standard Project Name: www.hallen 3 Address: San Junon 32-8 #237 www.hallen 9 Address: Project Name: www.hallen 9 Address: Project #: TE 017821041 Tel. 506-345-3975 9 Project #: TE 017821041 Standard 10 Color # Onloc: Yes 10 Project #: TE 00 Project # Standard Standard 10 Project # Project # Project # Standard 10 Pro</td><td>H: Icorg M: Standard Rush Standard HALL ENV g Address: Project Name: Son June 32-8 #237 MALLYSI: g Address: Project Name: Son June 32-8 #237 Manalysi: g Address: Project Manager: Son June 32-8 #237 Manalysi: g Address: Project Manager: Standard 401 Hawkins NE - Albuq g Address: Project Manager: Standard Good Standard Manalysi: g Address: Project Manager: Standard Good Standard Good Standard Good Standard Good Standard g Address: Project Manager: Standard Good Standard</td><td>H: (corg M: Standard Rush Standard HALL ENVII ANALYSIS I g Address: Son Juno 32.8 # 237 Www.hallenvironmer g Address: Project Name: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Stant Hyte Standard G Fax#: Project Manager: Stant Hyte Standard G Fax#: Project Manager: Stant Hyte Standard G G G Coller Sampler: Cecce Hws.n Standard Matrix Sample Name On loc: B No Time Matrix Sample Name Cooler Tempinuanges: L7 * 0.1 tcl / L0 * 00 Standard 12e6 Soi: B n ol 0 - 0.5 Q 1 Y Y Y 12e6 BH ol 0 3.5 - Y Image: Standard Y Image: Standard Y Image: Standard Y Y Y Y 12e6 BH ol 0 3.5 - Y Image: Standard Y Image: Standard Y Image: Standard Y Y Y Y Y Y Y Y</td><td>H:lcorg M:Standard Rush Mark Mark Mall Environ Analysis Late g Address: San Junn 32-8 #237 www.hallenvironmental.co g Address: Project Manager: Standt Hydc san Junn 32-8 #237 www.hallenvironmental.co g Address: Project #: TE 017921041 Tel. 505-345-3975 Fax 505-345 ##: Or Fax#: Project Manager: Standt Hydc standurutins NE - Albuquerque, NI g Address: Project Manager: Standt Hydc standurutins NE - Albuquerque, NI stato: ref Ext#: Project Manager: Standt Hydc stato: stato: stato: ref Ext#: Project Manager: Standt Hydc stato: stato: stato: stato: Itation: Az Compliance Sampler: Cecce Hans stato: stato:</td><td>H:lcorg W:Standard Rush Standard Rush M:torg : M: tork K: [[ough] Project Name: Son Thon 32.8 # 237 Son Thon 32.8 # 237 Www.hallewironmental.com g Address: Project #: TE 01782104[Project #: TE 01782104[Www.hallewironmental.com ##: Project #: TE 01782104[Standard Analysis Request or Fax#: Project Manager: Stant Hydr Standard No 2 Project #: TE 01782104[Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: St</td><td>H-1 (or g M-1 (or g M-1 (or g) M-1 (or g)</td><td>H:Long K:Standard Rush Attack HALL ENVIRONMENTA g.Address: Project Name: Son Juno 32-8 #237 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Tel. 505-345-3975 Fax 505-345-3107 g.Address: Project Manager: Standard Standard Standard Standard or Fax#: Project Manager: Standard Standard Standard Standard g.Address: Container Project Manager: Standard Standard Standard J. Do (Type) # of Cooler: On loc: BY Standard Standard Standard Time Matrix Sampler Ceccc Manalysis Request Standard Standard Standard Standard Time Matrix Sample Name Type Zlit Z D'S No Standard Standard<</td></td<>	H: Icorg W: Standard Rush Stand AN	H:Icorg W:Standard Rush John de HALL .: M: Jch K: ough Project Name: Standard Www.ha g Address: San Junn 32-8 #233 Www.ha g Address: Project Name: San Junn 32-8 #233 Www.ha g Address: Project Manager. Short Hydc Standard Www.ha g Address: Project Manager. Short Hydc Standard Standard g Address: Project Manager. Short Hydc Standard Standard g Address: Project Manager. Short Hydc Standard Standard g Address: Other On Ice: BY Yes No D (Type) # of Cooler: On Ice: BY Yes No Time Matrix Sample Name Type and # Type and # Standard Standard 12.e0 So:1 BH o1 00.5 2.4 oz Could Tom Standard Standard Standard Standard 12.e0 So:1 BH o1 3.5-4 Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard	Hilcorg W:Standard Rush Jandard HALLE 2: M: Icorg W:Standard Project Name: www.hallen 3 Address: San Junon 32-8 #237 www.hallen 9 Address: Project Name: www.hallen 9 Address: Project #: TE 017821041 Tel. 506-345-3975 9 Project #: TE 017821041 Standard 10 Color # Onloc: Yes 10 Project #: TE 00 Project # Standard Standard 10 Project # Project # Project # Standard 10 Pro	H: Icorg M: Standard Rush Standard HALL ENV g Address: Project Name: Son June 32-8 #237 MALLYSI: g Address: Project Name: Son June 32-8 #237 Manalysi: g Address: Project Manager: Son June 32-8 #237 Manalysi: g Address: Project Manager: Standard 401 Hawkins NE - Albuq g Address: Project Manager: Standard Good Standard Manalysi: g Address: Project Manager: Standard Good Standard Good Standard Good Standard Good Standard g Address: Project Manager: Standard Good Standard	H: (corg M: Standard Rush Standard HALL ENVII ANALYSIS I g Address: Son Juno 32.8 # 237 Www.hallenvironmer g Address: Project Name: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Son Juno 32.8 # 237 www.hallenvironmer g Address: Project Manager: Stant Hyte Standard G Fax#: Project Manager: Stant Hyte Standard G Fax#: Project Manager: Stant Hyte Standard G G G Coller Sampler: Cecce Hws.n Standard Matrix Sample Name On loc: B No Time Matrix Sample Name Cooler Tempinuanges: L7 * 0.1 tcl / L0 * 00 Standard 12e6 Soi: B n ol 0 - 0.5 Q 1 Y Y Y 12e6 BH ol 0 3.5 - Y Image: Standard Y Image: Standard Y Image: Standard Y Y Y Y 12e6 BH ol 0 3.5 - Y Image: Standard Y Image: Standard Y Image: Standard Y Y Y Y Y Y Y Y	H:lcorg M:Standard Rush Mark Mark Mall Environ Analysis Late g Address: San Junn 32-8 #237 www.hallenvironmental.co g Address: Project Manager: Standt Hydc san Junn 32-8 #237 www.hallenvironmental.co g Address: Project #: TE 017921041 Tel. 505-345-3975 Fax 505-345 ##: Or Fax#: Project Manager: Standt Hydc standurutins NE - Albuquerque, NI g Address: Project Manager: Standt Hydc standurutins NE - Albuquerque, NI stato: ref Ext#: Project Manager: Standt Hydc stato: stato: stato: ref Ext#: Project Manager: Standt Hydc stato: stato: stato: stato: Itation: Az Compliance Sampler: Cecce Hans stato: stato:	H:lcorg W:Standard Rush Standard Rush M:torg : M: tork K: [[ough] Project Name: Son Thon 32.8 # 237 Son Thon 32.8 # 237 Www.hallewironmental.com g Address: Project #: TE 01782104[Project #: TE 01782104[Www.hallewironmental.com ##: Project #: TE 01782104[Standard Analysis Request or Fax#: Project Manager: Stant Hydr Standard No 2 Project #: TE 01782104[Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: Standard Inter Analysis Request Standard Standard Image: Standard Image: Standard Image: St	H-1 (or g M-1 (or g M-1 (or g) M-1 (or g)	H:Long K:Standard Rush Attack HALL ENVIRONMENTA g.Address: Project Name: Son Juno 32-8 #237 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Www.hallenvironmental.com g.Address: Project M:: FC 017821041 Tel. 505-345-3975 Fax 505-345-3107 g.Address: Project Manager: Standard Standard Standard Standard or Fax#: Project Manager: Standard Standard Standard Standard g.Address: Container Project Manager: Standard Standard Standard J. Do (Type) # of Cooler: On loc: BY Standard Standard Standard Time Matrix Sampler Ceccc Manalysis Request Standard Standard Standard Standard Time Matrix Sample Name Type Zlit Z D'S No Standard Standard<

1

Released to Imaging: 1/28/2022 10:58:08 AM

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

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

District III

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

District IV 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	74256
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	1/28/2022

CONDITIONS

Page 61 of 61

.

Action 74256