District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	
District RP	
Facility ID	
Application ID	

I Release Notification

Responsible Party

Responsible Party: Hilcorp Energy				OGR	OGRID 372171				
Contact N	ame: Kate I	Kaufman		Conta	ontact Telephone: 346-237-2275				
Contact email: kkaufman@hilcorp.com Incide			1	lent # (assigned by OCD) nAPP2319251025					
Contact mailing address: 1111 Travis St. Houston, TX 77471									
			Locati	ion of Releas	se Source				
Latitude 36	5.623602		(NAD 83	Longit in decimal degrees to 5	tude -107.5624035 decimal places)				
Site Name:	San Juan 2	28-7 Unit 131N		Site T	Type: Well Site				
Date Relea	se Discover	ed: 7/5/2023		API#	(if applicable) 30-039-30663				
Unit Letter	Section	Township	Range	Co	ounty				
C	34	028N	007W	Rio Arriba	ounty				
	Mate	erial(s) Released (Sele		and Volume attach calculations or sp	e of Release specific justification for the volumes provided below)				
Crude		Volume Rele		attach calculations or sp	Volume Recovered (bbls) 0				
Produc	ed Water	Volume Rele	eased (bbls) 60		Volume Recovered (bbls) 0				
			tration of dissolv ter >10,000 mg/l	ved chloride in the?	☐ Yes ⊠ No				
Conder	nsate	Volume Rele	eased (bbls)		Volume Recovered (bbls) 0				
Natura	l Gas	Volume Rele	eased (Mcf)		Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units)			ght Released (pro	ovide units)	Volume/Weight Recovered (provide units)				
was via a h	ducting rout nole in the being	ottom of a tank th	at formed due to	corrosion. The ren	ce of a produced water release inside a bermed area. Release maining fluid in the tank was drained and the tank will be mples will be collected to determine remediation				

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? Released volume was greater than 25 bbls.					
19.15.29.7(A) NMAC?						
⊠ Yes □ No						
If VES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?					
N/A Notification was given by Clara Cardoza to Nelson Velez and Emmanuel Adeloye via email on 7/5/2023.						
	Initial Response					
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury					
The source of the rele	ease has been stonned					
	s been secured to protect human health and the environment.					
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.					
	ecoverable materials have been removed and managed appropriately.					
If all the actions described	d above have <u>not</u> been undertaken, explain why:					
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation					
0 1	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.					
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and					
public health or the environn	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have					
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws					
Printed Name:Kate Ka	ufman Title:Environmental Specialist					
Signature: Katty Want	Date:7/11/2023					
	orp.com					
OCD Only						
Received by:	Date:					

Received by OCD: 9/27/2023 8:14:30 AM Form C-141 State of New Mexico
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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?	<100 (ft bgs)	
Did this release impact groundwater or surface water?		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No ☐ 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 ver 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 wel	ls.	
 ✓ Data table of soil contaminant concentration data ✓ Depth to water determination 		
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release		
Boring or excavation logs		
Photographs including date and GIS information		
☐ Topographic/Aerial maps		
☐ Laboratory data including chain of custody		

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

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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: Kathryn H Kaufman Title:Environmental Specialist				
Printed Name: Kathryn H Kaufman Title:Environmental Specialist Signature: Date:9/27/2023				
email:kkaufman@hilcorp.com Telephone:346-237-2275				
OCD Only				
Received by: Date:				

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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 Attachme	ent Checklist: Each of the following it	tems must be incl	uded in the closure report.			
Photographs of the ren must be notified 2 days prior		of the liner integr	rity if applicable (Note: appropriate OCD District office			
☐ Laboratory analyses of	final sampling (Note: appropriate ODC	C District office m	ust be notified 2 days prior to final sampling)			
☐ Description of remedia	tion activities					
may endanger public health of should their operations have human health or the environment compliance with any other for restore, reclaim, and re-vege accordance with 19.15.29.13 Printed Name: _Kathryn H. I	or the environment. The acceptance of failed to adequately investigate and rement. In addition, OCD acceptance of a ederal, state, or local laws and/or regula tate the impacted surface area to the con NMAC including notification to the OKaufman	a C-141 report by nediate contamina a C-141 report doctions. The responditions that exist CD when reclamative: _Environmed	ental Specialist			
OCD Only						
Received by:		Date:				
remediate contamination that		water, human heal	their operations have failed to adequately investigate and th, or the environment nor does not relieve the responsible			
Closure Approved by:	Nelson Velez Nelson Velez	Date: _	01/22/2024			
Printed Name:	Nelson Velez	Title: _	Environmental Specialist - Adv			

Executive Summary – Incident #nAPP2319251025

While conducting routine wellsite inspections, a Hilcorp operator discovered evidence of a produced water release inside a bermed area at the San Juan 28-7 #131N wellsite (API 30-039-30663) on 7/5/2023. The release was via a hole in the bottom of a tank that formed due to corrosion. Approximately 60 barrels of produced water was released to a bermed containment area. Remaining fluid in the tank was drained and the tank was repaired prior to being put back into service. No released fluids were recovered. There was no immediate danger to the public and no fire occurred because of this release.

Ten (10) grab samples were collected at two locations and varying depths in the release are on 7/12/2023 to delineate the extent of impacts on the pad. Analytical results from this sampling event were below NMOCD action criteria outlined in NMAC 19.15.29 Table 1. Based on analytical results, no soil was removed from the location, other than stained soil at the surface.

Sample results are included at the end of this summary report.

Released to Imaging: 1/22/2024 8:08:24 AM

Scaled Site Map

Lat: 36.623602 Long: -1007.562403 San Juan 28-7 #131 N Wellsite

403 API: 30-039-30663

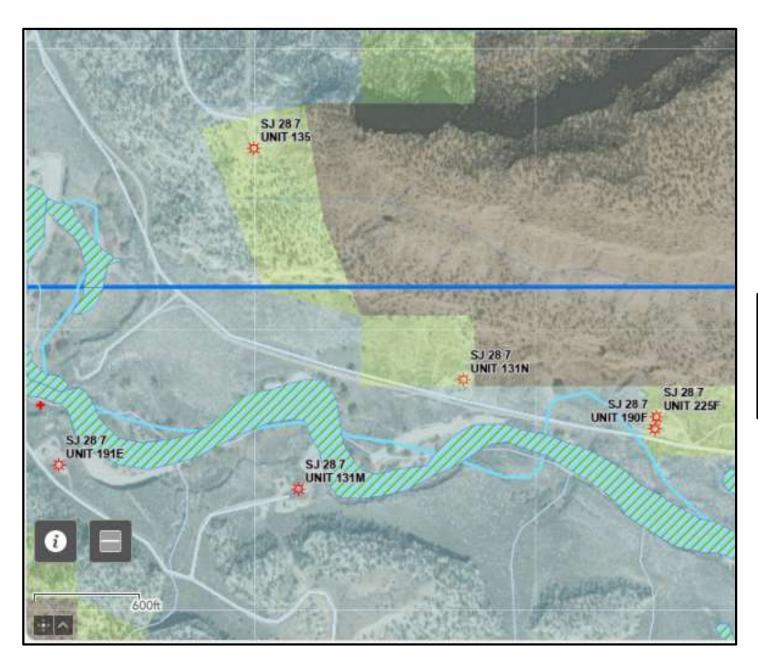




N

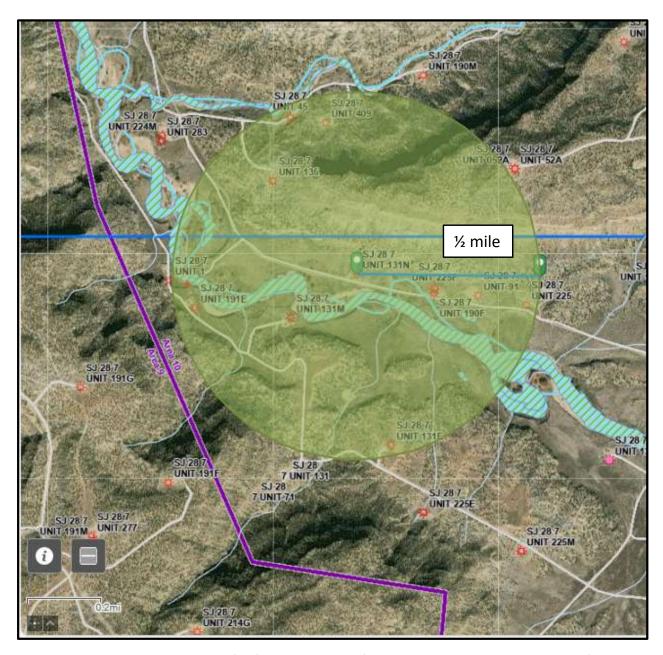
Depth to groundwater determination.

San Juan 28-7 #131N; estimated depth to groundwater is <100'.





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





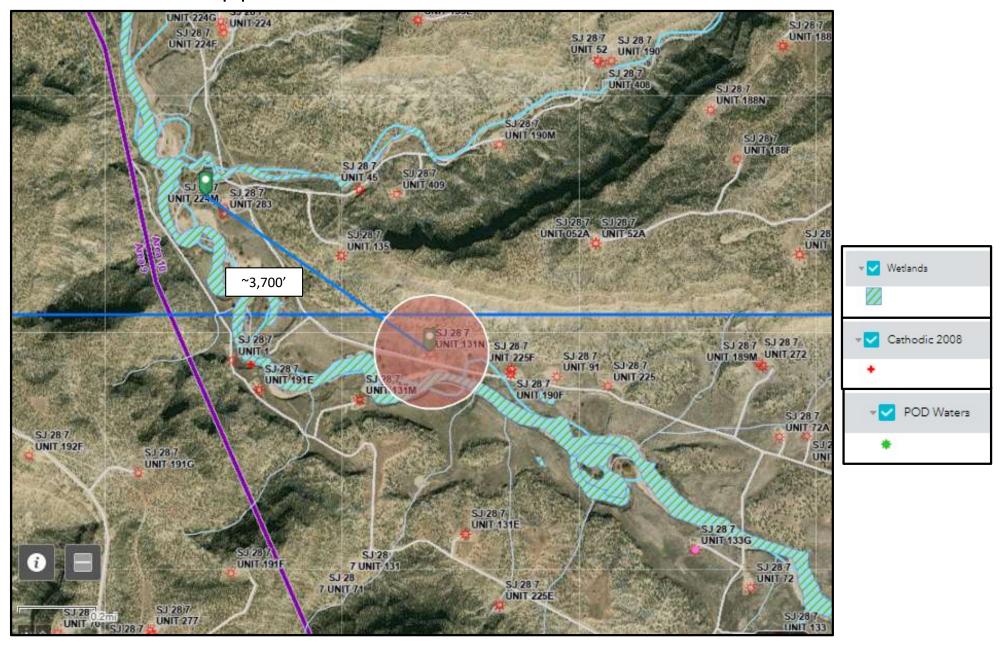


Note 1: Release point is within 300 ft of a continuously flowing watercourse or other significant water course.

Note 2: The lateral extents of the release point are not shown to be within 300 feet of a mapped wetland.

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Distance to mapped water wells



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

Data table of soil contaminant concentrations

		San Juan 28-7 #131N Laboratory Results									
Sample Name	Sample Date	Chloride (mg/kg)	TPH as DRO (mg/kg)	TPH as GRO (mg/kg)	TPH as MRO (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylene (mg/kg)	Total BTEX (mg/kg)
19.15.29 Table 1 C	losure Criteria	600	-		-	100	10	-	-	-	50
S-1 (0-6")	7/12/2023	150	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-1 (1')	7/12/2023	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-1 (2')	7/12/2023	97	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-1 (3')	7/12/2023	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-1 (4')	7/12/2023	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-2 (0-6")	7/12/2023	220	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-2 (1')	7/12/2023	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-2 (2')	7/12/2023	110	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-2 (3')	7/12/2023	98	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-2 (4')	7/12/2023	120	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

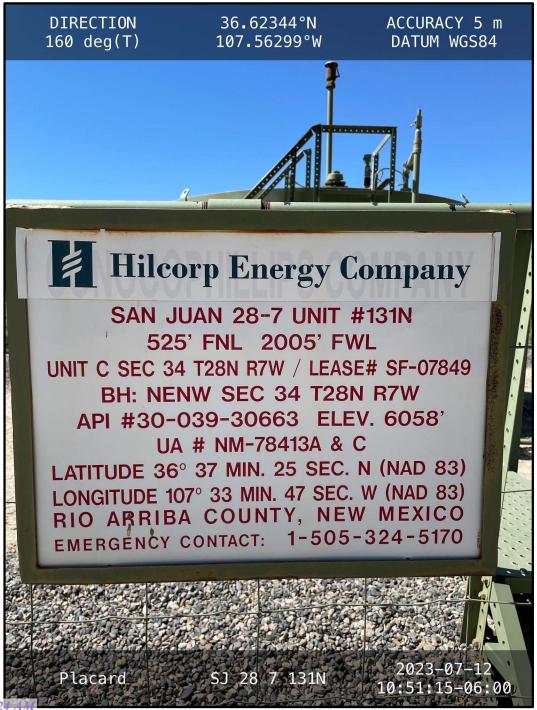
Confirmation samples were collected on 7/12/2023 by Hilcorp personnel and all results were below NMOCD 19.15.29.12.D Table 1 closure criteria.

Released to Imaging: 1/22/2024 8:08:24 AM

Field Sample Diagram



Sample Photos



Released to Imaging: 1/22/2024 8:08:2

Sample Photos



N

Sample Photos



Sample Photos



T N

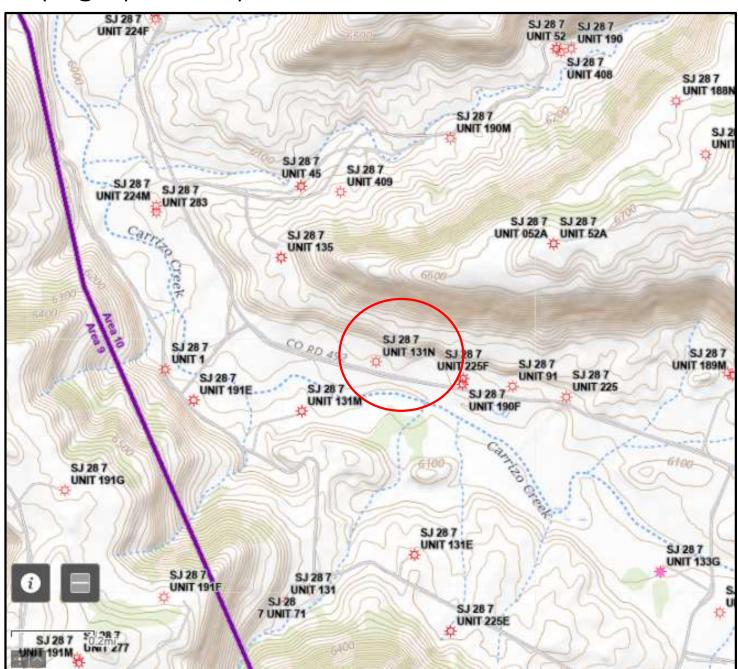
Sample Photos





Ν

Topographic Map



Released to Imaging: 1/22/2024 8:08:24 AM

Analytical Data, Sample Collected 7/12/2023.

See attached Lab Reports.

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109



July 24, 2023

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: SJ 28 7 Unit 131N OrderNo.: 2307537

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 10 sample(s) on 7/13/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-1 0-6"

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:05:00 AM

 Lab ID:
 2307537-001
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/15/2023 5:35:00 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2023 5:35:00 AM
Surr: DNOP	169	69-147	S	%Rec	1	7/15/2023 5:35:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	150	60		mg/Kg	20	7/18/2023 2:39:37 AM
EPA METHOD 8260B: VOLATILES SHORT LIS	Т					Analyst: JR
Benzene	ND	0.023		mg/Kg	1	7/14/2023 4:44:50 PM
Toluene	ND	0.046		mg/Kg	1	7/14/2023 4:44:50 PM
Ethylbenzene	ND	0.046		mg/Kg	1	7/14/2023 4:44:50 PM
Xylenes, Total	ND	0.093		mg/Kg	1	7/14/2023 4:44:50 PM
Surr: 1,2-Dichloroethane-d4	104	64.8-147		%Rec	1	7/14/2023 4:44:50 PM
Surr: 4-Bromofluorobenzene	96.5	62.1-144		%Rec	1	7/14/2023 4:44:50 PM
Surr: Dibromofluoromethane	121	73-145		%Rec	1	7/14/2023 4:44:50 PM
Surr: Toluene-d8	98.5	70-130		%Rec	1	7/14/2023 4:44:50 PM
EPA METHOD 8015D MOD: GASOLINE RANGI	E					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/14/2023 4:44:50 PM
Surr: BFB	104	70-130		%Rec	1	7/14/2023 4:44:50 PM

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

Qualifiers:

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

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-1 1'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:12:00 AM

 Lab ID:
 2307537-002
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAN	NICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/15/2023 5:58:50 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2023 5:58:50 AM
Surr: DNOP	162	69-147	S	%Rec	1	7/15/2023 5:58:50 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	110	61		mg/Kg	20	7/18/2023 2:49:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: JR
Benzene	ND	0.024		mg/Kg	1	7/14/2023 5:15:40 PM
Toluene	ND	0.049		mg/Kg	1	7/14/2023 5:15:40 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2023 5:15:40 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2023 5:15:40 PM
Surr: 1,2-Dichloroethane-d4	106	64.8-147		%Rec	1	7/14/2023 5:15:40 PM
Surr: 4-Bromofluorobenzene	97.0	62.1-144		%Rec	1	7/14/2023 5:15:40 PM
Surr: Dibromofluoromethane	121	73-145		%Rec	1	7/14/2023 5:15:40 PM
Surr: Toluene-d8	101	70-130		%Rec	1	7/14/2023 5:15:40 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2023 5:15:40 PM
Surr: BFB	107	70-130		%Rec	1	7/14/2023 5:15:40 PM

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

Qualifiers:

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

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-1 2'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:15:00 AM

 Lab ID:
 2307537-003
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/15/2023 6:46:23 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2023 6:46:23 AM
Surr: DNOP	164	69-147	S	%Rec	1	7/15/2023 6:46:23 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	97	60		mg/Kg	20	7/18/2023 3:02:23 PM
EPA METHOD 8260B: VOLATILES SHORT LIST	Γ					Analyst: JR
Benzene	ND	0.023		mg/Kg	1	7/14/2023 5:46:45 PM
Toluene	ND	0.047		mg/Kg	1	7/14/2023 5:46:45 PM
Ethylbenzene	ND	0.047		mg/Kg	1	7/14/2023 5:46:45 PM
Xylenes, Total	ND	0.093		mg/Kg	1	7/14/2023 5:46:45 PM
Surr: 1,2-Dichloroethane-d4	106	64.8-147		%Rec	1	7/14/2023 5:46:45 PM
Surr: 4-Bromofluorobenzene	97.3	62.1-144		%Rec	1	7/14/2023 5:46:45 PM
Surr: Dibromofluoromethane	122	73-145		%Rec	1	7/14/2023 5:46:45 PM
Surr: Toluene-d8	101	70-130		%Rec	1	7/14/2023 5:46:45 PM
EPA METHOD 8015D MOD: GASOLINE RANGE	.					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/14/2023 5:46:45 PM
Surr: BFB	107	70-130		%Rec	1	7/14/2023 5:46:45 PM

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

Qualifiers:

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

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-1 3'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:20:00 AM

 Lab ID:
 2307537-004
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/15/2023 7:10:08 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/15/2023 7:10:08 AM
Surr: DNOP	89.0	69-147	%Rec	1	7/15/2023 7:10:08 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	60	mg/Kg	20	7/18/2023 3:14:48 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JR
Benzene	ND	0.024	mg/Kg	1	7/14/2023 6:17:40 PM
Toluene	ND	0.047	mg/Kg	1	7/14/2023 6:17:40 PM
Ethylbenzene	ND	0.047	mg/Kg	1	7/14/2023 6:17:40 PM
Xylenes, Total	ND	0.095	mg/Kg	1	7/14/2023 6:17:40 PM
Surr: 1,2-Dichloroethane-d4	111	64.8-147	%Rec	1	7/14/2023 6:17:40 PM
Surr: 4-Bromofluorobenzene	96.2	62.1-144	%Rec	1	7/14/2023 6:17:40 PM
Surr: Dibromofluoromethane	124	73-145	%Rec	1	7/14/2023 6:17:40 PM
Surr: Toluene-d8	99.5	70-130	%Rec	1	7/14/2023 6:17:40 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/14/2023 6:17:40 PM
Surr: BFB	104	70-130	%Rec	1	7/14/2023 6:17:40 PM

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

Qualifiers:

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

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-1 4'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:25:00 AM

 Lab ID:
 2307537-005
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/15/2023 7:33:52 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/15/2023 7:33:52 AM
Surr: DNOP	88.2	69-147	%Rec	1	7/15/2023 7:33:52 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	250	60	mg/Kg	20	7/18/2023 3:52:02 PM
EPA METHOD 8260B: VOLATILES SHORT L	IST				Analyst: JR
Benzene	ND	0.023	mg/Kg	1	7/15/2023 1:53:56 AM
Toluene	ND	0.047	mg/Kg	1	7/15/2023 1:53:56 AM
Ethylbenzene	ND	0.047	mg/Kg	1	7/15/2023 1:53:56 AM
Xylenes, Total	ND	0.093	mg/Kg	1	7/15/2023 1:53:56 AM
Surr: 1,2-Dichloroethane-d4	108	64.8-147	%Rec	1	7/15/2023 1:53:56 AM
Surr: 4-Bromofluorobenzene	95.5	62.1-144	%Rec	1	7/15/2023 1:53:56 AM
Surr: Dibromofluoromethane	117	73-145	%Rec	1	7/15/2023 1:53:56 AM
Surr: Toluene-d8	95.8	70-130	%Rec	1	7/15/2023 1:53:56 AM
EPA METHOD 8015D MOD: GASOLINE RAN	IGE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/15/2023 1:53:56 AM
Surr: BFB	106	70-130	%Rec	1	7/15/2023 1:53:56 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: HILCORP ENERGY

Analytical Report

Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-2 0-6"

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:30:00 AM

 Lab ID:
 2307537-006
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/15/2023 7:57:41 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/15/2023 7:57:41 AM
Surr: DNOP	87.3	69-147	%Rec	1	7/15/2023 7:57:41 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	220	60	mg/Kg	20	7/18/2023 4:04:26 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JR
Benzene	ND	0.024	mg/Kg	1	7/15/2023 2:24:08 AM
Toluene	ND	0.047	mg/Kg	1	7/15/2023 2:24:08 AM
Ethylbenzene	ND	0.047	mg/Kg	1	7/15/2023 2:24:08 AM
Xylenes, Total	ND	0.095	mg/Kg	1	7/15/2023 2:24:08 AM
Surr: 1,2-Dichloroethane-d4	104	64.8-147	%Rec	1	7/15/2023 2:24:08 AM
Surr: 4-Bromofluorobenzene	96.8	62.1-144	%Rec	1	7/15/2023 2:24:08 AM
Surr: Dibromofluoromethane	120	73-145	%Rec	1	7/15/2023 2:24:08 AM
Surr: Toluene-d8	96.1	70-130	%Rec	1	7/15/2023 2:24:08 AM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/15/2023 2:24:08 AM
Surr: BFB	107	70-130	%Rec	1	7/15/2023 2:24:08 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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-2 1'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:35:00 AM

 Lab ID:
 2307537-007
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/15/2023 8:21:30 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/15/2023 8:21:30 AM
Surr: DNOP	82.7	69-147	%Rec	1	7/15/2023 8:21:30 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	60	mg/Kg	20	7/18/2023 4:41:39 PM
EPA METHOD 8260B: VOLATILES SHORT L	IST				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	7/15/2023 2:54:26 AM
Toluene	ND	0.048	mg/Kg	1	7/15/2023 2:54:26 AM
Ethylbenzene	ND	0.048	mg/Kg	1	7/15/2023 2:54:26 AM
Xylenes, Total	ND	0.096	mg/Kg	1	7/15/2023 2:54:26 AM
Surr: 1,2-Dichloroethane-d4	109	64.8-147	%Rec	1	7/15/2023 2:54:26 AM
Surr: 4-Bromofluorobenzene	94.8	62.1-144	%Rec	1	7/15/2023 2:54:26 AM
Surr: Dibromofluoromethane	116	73-145	%Rec	1	7/15/2023 2:54:26 AM
Surr: Toluene-d8	103	70-130	%Rec	1	7/15/2023 2:54:26 AM
EPA METHOD 8015D MOD: GASOLINE RAN	IGE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/15/2023 2:54:26 AM
Surr: BFB	113	70-130	%Rec	1	7/15/2023 2:54:26 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-2 2'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:38:00 AM

 Lab ID:
 2307537-008
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/15/2023 8:45:17 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/15/2023 8:45:17 AM
Surr: DNOP	86.3	69-147	%Rec	1	7/15/2023 8:45:17 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	60	mg/Kg	20	7/18/2023 4:54:03 PM
EPA METHOD 8260B: VOLATILES SHORT LI	ST				Analyst: JR
Benzene	ND	0.025	mg/Kg	1	7/15/2023 3:24:34 AM
Toluene	ND	0.050	mg/Kg	1	7/15/2023 3:24:34 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/15/2023 3:24:34 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/15/2023 3:24:34 AM
Surr: 1,2-Dichloroethane-d4	107	64.8-147	%Rec	1	7/15/2023 3:24:34 AM
Surr: 4-Bromofluorobenzene	99.3	62.1-144	%Rec	1	7/15/2023 3:24:34 AM
Surr: Dibromofluoromethane	119	73-145	%Rec	1	7/15/2023 3:24:34 AM
Surr: Toluene-d8	95.3	70-130	%Rec	1	7/15/2023 3:24:34 AM
EPA METHOD 8015D MOD: GASOLINE RANG	GE				Analyst: JR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/15/2023 3:24:34 AM
Surr: BFB	106	70-130	%Rec	1	7/15/2023 3:24:34 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-2 3'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:41:00 AM

 Lab ID:
 2307537-009
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/15/2023 9:09:07 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/15/2023 9:09:07 AM
Surr: DNOP	88.4	69-147	%Rec	1	7/15/2023 9:09:07 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	98	60	mg/Kg	20	7/18/2023 5:06:28 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JR
Benzene	ND	0.024	mg/Kg	1	7/14/2023 11:23:04 PM
Toluene	ND	0.048	mg/Kg	1	7/14/2023 11:23:04 PM
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2023 11:23:04 PM
Xylenes, Total	ND	0.095	mg/Kg	1	7/14/2023 11:23:04 PM
Surr: 1,2-Dichloroethane-d4	111	64.8-147	%Rec	1	7/14/2023 11:23:04 PM
Surr: 4-Bromofluorobenzene	97.4	62.1-144	%Rec	1	7/14/2023 11:23:04 PM
Surr: Dibromofluoromethane	119	73-145	%Rec	1	7/14/2023 11:23:04 PM
Surr: Toluene-d8	94.9	70-130	%Rec	1	7/14/2023 11:23:04 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2023 11:23:04 PM
Surr: BFB	108	70-130	%Rec	1	7/14/2023 11:23:04 PM

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

Qualifiers:

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

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Lab Order 2307537

Date Reported: 7/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: S-2 4'

 Project:
 SJ 28 7 Unit 131N
 Collection Date: 7/12/2023 11:45:00 AM

 Lab ID:
 2307537-010
 Matrix: SOIL
 Received Date: 7/13/2023 7:05:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/15/2023 9:32:53 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/15/2023 9:32:53 AM
Surr: DNOP	89.2	69-147	%Rec	1	7/15/2023 9:32:53 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	120	60	mg/Kg	20	7/18/2023 5:18:52 PM
EPA METHOD 8260B: VOLATILES SHORT LIS	т				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	7/14/2023 11:53:09 PM
Toluene	ND	0.049	mg/Kg	1	7/14/2023 11:53:09 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/14/2023 11:53:09 PM
Xylenes, Total	ND	0.097	mg/Kg	1	7/14/2023 11:53:09 PM
Surr: 1,2-Dichloroethane-d4	109	64.8-147	%Rec	1	7/14/2023 11:53:09 PM
Surr: 4-Bromofluorobenzene	101	62.1-144	%Rec	1	7/14/2023 11:53:09 PM
Surr: Dibromofluoromethane	120	73-145	%Rec	1	7/14/2023 11:53:09 PM
Surr: Toluene-d8	95.8	70-130	%Rec	1	7/14/2023 11:53:09 PM
EPA METHOD 8015D MOD: GASOLINE RANG	Ε				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/14/2023 11:53:09 PM
Surr: BFB	109	70-130	%Rec	1	7/14/2023 11:53:09 PM

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

2307537 24-Jul-23

WO#:

Client: HILCORP ENERGY
Project: SJ 28 7 Unit 131N

Sample ID: MB-76271 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 76271 RunNo: 98270

Prep Date: 7/17/2023 Analysis Date: 7/17/2023 SeqNo: 3576623 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-76271 SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 76271 RunNo: 98270 Prep Date: 7/17/2023 Analysis Date: 7/17/2023 SeqNo: 3576624 Units: mg/Kg %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual

Chloride 14 1.5 15.00 0 91.8 90 110

Sample ID: MB-76284 SampType: MBLK TestCode: EPA Method 300.0: Anions
Client ID: PBS Batch ID: 76284 RunNo: 98289

Prep Date: 7/18/2023 Analysis Date: 7/18/2023 SeqNo: 3578639 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-76284 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 76284 RunNo: 98289

Prep Date: 7/18/2023 Analysis Date: 7/18/2023 SeqNo: 3578640 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2307537 24-Jul-23

WO#:

Client: HILCORP ENERGY
Project: SJ 28 7 Unit 131N

Project: SJ 28 / 0	Unit 131N									
Sample ID: MB-76196	SampT	Гуре: МЕ	BLK	Tes	stCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	h ID: 76 1	196	F	RunNo: 9	8223				
Prep Date: 7/13/2023	Analysis D)ate: 7/	14/2023	Ş	SeqNo: 3	574287	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.0	69	147			
Sample ID: LCS-76196	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: LCSS	Batcl	h ID: 76 1	196	RunNo: 98223						
Prep Date: 7/13/2023	Analysis D)ate: 7/	14/2023		SeqNo: 3	574288	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	61.9	130			
Surr: DNOP	5.2		5.000		105	69	147			
Sample ID: 2307537-001AMS	SampT	Гуре: МЅ	6	Tes	stCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: S-1 0-6"	Batch	h ID: 76 1	196	F	RunNo: 9	8223				
Prep Date: 7/13/2023	Analysis D)ate: 7/	15/2023	;	SeqNo: 3	574329	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.9	49.60	0	93.8	54.2	135			
Surr: DNOP	4.5		4.960		91.3	69	147			
Sample ID: 2307537-001AMS	D SampT	Гуре: МЅ	SD	Tes	stCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: S-1 0-6"	Batcl	h ID: 76 1	196	F	RunNo: 9	8223				
Prep Date: 7/13/2023	Analysis D)ate: 7/	15/2023	Ş	SeqNo: 3	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.8	48.92	0	94.0	54.2	135	1.22	29.2	
Surr: DNOP	4.5		4.892		92.0	69	147	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2307537 24-Jul-23

WO#:

Client: HILCORP ENERGY
Project: SJ 28 7 Unit 131N

Sample ID: Ics-76189	Samp	Гуре: LC :	S4	Tes	tCode: EF	PA Method	d 8260B: Volatiles Short List					
Client ID: BatchQC	Batcl	h ID: 761	89	F	RunNo: 98	3224						
Prep Date: 7/13/2023	Analysis [Date: 7/ 1	14/2023	SeqNo: 3574474			Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.91	0.025	1.000	0	91.3	80	120					
Toluene	0.82	0.050	1.000	0	82.5	80	120					
Ethylbenzene	0.84	0.050	1.000	0	83.6	80	120					
Xylenes, Total	2.6	0.10	3.000	0	85.5	80	120					
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	64.8	147					
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.5	62.1	144					
Surr: Dibromofluoromethane	0.62		0.5000		123	73	145					
Surr: Toluene-d8	0.51		0.5000		102	70	130					

Sample ID: mb-76189	Samp ⁻	Гуре: МЕ	BLK	Tes	stCode: EF	PA Method	d 8260B: Volatiles Short List				
Client ID: PBS	Batc	h ID: 76 1	189	F	RunNo: 98	3224					
Prep Date: 7/13/2023	Analysis [Date: 7/	14/2023	SeqNo: 3574475			Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		105	64.8	147				
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	62.1	144				
Surr: Dibromofluoromethane	0.55		0.5000		110	73	145				
Surr: Toluene-d8	0.47		0.5000		94.0	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2307537 24-Jul-23

WO#:

Client: HILCORP ENERGY **Project:** SJ 28 7 Unit 131N

Sample ID: Ics-76189 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 76189 RunNo: 98224 Prep Date: 7/13/2023 Analysis Date: 7/14/2023 SeqNo: 3574507 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 23 5.0 25.00 n 92.5 70 130 Surr: BFB 530 500.0 105 70 130

Sample ID: mb-76189 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: Batch ID: 76189 **PBS** RunNo: 98224 Prep Date: Analysis Date: 7/14/2023 SeqNo: 3574508 7/13/2023 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 540 70

Surr: BFB

500.0

108

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

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 14 of 14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 1/22/2024 8:08:24 AM

Client Name: HILC	ORP ENERGY	Work Order N	lumber: 2307537		RcptNo: 1	
Received By: Jua	n Rojas	7/12/2023 2:50:	00 PM	(Juans &		
	venne Cason	7/13/2023 7:42:		(lend		
Reviewed By:	7-13-23	7710,2020 7. 12.	1071111	June		
Reviewed By.	, , , , ,					
Chain of Custody						
1. Is Chain of Custody	complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample	e delivered?		Courier			
<u>Log In</u>						
3. Was an attempt ma	de to cool the samples	s?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samples re	ceived at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
				\square		
5. Sample(s) in proper	container(s)?		Yes 🗹	No ∐		
6. Sufficient sample vo	lume for indicated test	(s)?	Yes 🗹	No 🗌		
7. Are samples (excep	t VOA and ONG) prop	erly preserved?	Yes 🔽	No 🗌		
8. Was preservative ac	ided 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 c	ontainers received bro	ken?	Yes 🗌	No 🗹	# of preserved	
11 Door paparuark ma	tah hatti alahala?		Yes 🗹	No 🗆	bottles checked for pH:	
 Does paperwork ma (Note discrepancies) 	on chain of custody)		Yes ▼	NO L		ınless noted)
12. Are matrices correc	tly identified on Chain	of Custody?	Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what analy	ses were requested?		Yes 🗹	No 🗌	1 5cm	67/1
 Were all holding tim (If no, notify custom) 	es able to be met? er for authorization.)		Yes 🗹	No 📙	Checked by	0111
Special Handling (if applicable)				1	
15. Was client notified		h this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notific	ed:	forest and a street and a	Pate:			
By Whom:	1		∕ia: ☐ eMail ☐ l	Phone Fax	☐ In Person	
Regarding:					CONTRACTOR	
Client Instruc	tions:					
16. Additional remarks	:					
17. Cooler Information		a î a				
Cooler No Te	mp °C Condition	Seal Intact Seal It	No Seal Date	Signed By		
1 3.7	Good	ies iviolty				
Page 1 of 1						

(hain	-of-Cı	ustody Record	Turn-Around						7.225											
Client:	H:1c	-15.0		5 0 Standard	lay □ Rusi	.		1000											NTA		
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□ Star			☐ Level 4 (Full Validation)	Kate	Kayt		B. B.	8	2 PC		10S		4			nt/					
Accred		☐ Az Co	ompliance -	Sampler: B	randon	Sinclair	MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS		CIF, Br, NO3, NO2, PO.,	111		(Present/Absent)					
	(Type)	Li Other		On Ice: # of Coolers:	P Yes	□ No	E) 	les/(20	o o	28	33		8270 (Semi-VOA)	P)		1			
	(.,,,,,,			Cooler Temp		-8-0.1=3.7 (°C)	ATB) O	ficic	E P	831	RCRA 8 Metals	*	3	n-j-	Coliform		. 1			
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-			Sample Name	Type and #		7307537	<u>'''</u>	F	<u></u>		의	<u> </u>	(<u>C</u>)	8	8	권	0 10	75 9 500			
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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

CONDITIONS

Action 269400

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	269400
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	1/22/2024