

May 10, 2024

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Remediation Report and Closure Request

San Juan 29-5 #24 Hilcorp Energy Company NMOCD Incident No: nAPP2330638542

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release at the San Juan 29-5 #24 natural gas production well (Site). The Site is located on private land in Unit B, Section 17, Township 29 North, Range 5 West, Rio Arriba County, New Mexico (Figure 1). This report describes the excavation and confirmation soil sampling activities performed at the Site to remediate impacted soil originating from a release of crude oil (condensate) and produced water.

SITE BACKGROUND

On October 20, 2023, Hilcorp discovered a release of 4.5 barrels (bbls) of crude oil (condensate) and 3.11 bbls of produced water at the Site. Upon inspection, corrosion holes were discovered at the bottom of the condensate aboveground storage tank (AST). The released fluids pooled immediately around the AST and stayed within the secondary containment. No released fluids were recovered. Hilcorp reported the release to the New Mexico Oil Conservation Division (NMOCD) on a *Release Notification Form C-141* on November 2, 2023. The NMOCD subsequently assigned the Site Incident Number nAPP2330638542.

Upon discovery of the release, Hilcorp and Ensolum personnel conducted delineation activities in October, November, and December 2023. Hand auger borings S-1 through S-4 and pothole locations PH01 through PH05 were advanced during this work to vertically and laterally delineate potential soil impacts resulting from the release. During the pothole delineation work, Ensolum personnel field screened soil for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Field screening measurements and soil lithology were recorded in the field book, with PID readings included in Table 1. Soil lithology generally consisted of grey and brown, fine-grained sand with silt grading to red-brown silt with clay around 8 feet below ground surface (bgs).

In general, two soil samples were collected from each sampling location during delineation for laboratory analysis: one sample from the depth interval indicating the highest PID reading and one sample from the terminus of the hand auger/pothole. Samples were submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico and analyzed for total petroleum

Page 2

hydrocarbons (TPH) following United States Environmental Protection Agency (EPA) Method 8015M/D, benzene, toluene, ethylbenzene, and xylenes (BTEX) following EPA Method 8021B, and chloride following EPA Method 300.0.

Analytical results indicated concentrations of TPH and the sum of gasoline range organics (GRO) and diesel range organics (DRO) exceeded the applicable NMOCD Closure Criteria at depths up to 12 feet bgs in areas within the secondary containment berm. Of note, elevated PID readings up to 1,006 parts per million (ppm) were recorded in several soil samples collected during delineation work. Although elevated PID readings were noted, analytical results for these samples indicated constituents of concern (COCs) were below the applicable NMOCD Closure Criteria (as noted in Table 1), and soil impacts had been successfully delineated.

Sampling locations and a summary of analytical results collected during delineation activities are presented on Figure 2. Additional details regarding the delineation activities and results are provided in the *Remediation Work Plan*, dated February 13, 2024.

SITE CLOSURE CRITERIA

As presented in the *Remediation Work Plan*, dated February 13, 2024, the following Closure Criteria for COCs should be applied to the Site. These criteria are based on the applicable standards presented in *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 of the New Mexico Administrative Code [NMAC]):

• Benzene: 10 milligrams per kilogram (mg/kg)

Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg

• TPH as a combination of GRO, DRO, and motor oil range organics (MRO): 2,500

mg/kg

GRO+DRO: 1,000 mg/kgChloride: 20,000 mg/kg

EXCAVATION SOIL SAMPLING ACTIVITIES

Based on the delineation sampling activities described above, Hilcorp excavated soil from the Site to remove impacts resulting from the release. Ensolum personnel conducted excavation oversight and sampling activities on May 1, 2024. Notification to NMOCD was provided at least two business days prior to conducting remediation and sampling work, with correspondence attached in Appendix A. To direct excavation activities, Ensolum personnel field screened soil for VOCs using a calibrated PID. Based on field screening and laboratory analytical results collected during delineation activities, a PID measurement of less than 800 ppm was used to indicate when the excavation floors and sidewalls should be sampled.

Once field screening indicated impacted soil had been removed, five-point composite soil samples were collected from the floor (FS01 through FS04) and sidewalls (SW01 through SW10) of the excavation at a frequency not exceeding one sample per 200 square feet. Sidewall samples SW01 and SW02 were collected at depths from the ground surface to 4 feet bgs. Sidewall samples SW03 through SW10 were collected from depths of 4 feet to 15 feet bgs. Sample locations are presented on Figures 3, 4A, 4B, and 4C.

The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The soil samples were placed into laboratory provided containers and transported under proper chain of custody procedures to Eurofins for analysis of TPH, as proposed in the NMOCD-approved *Remediation Work Plan*.



Page 3

Analytical results from the excavation indicated concentrations of TPH were compliant with NMOCD Table I Closure Criteria and the reclamation requirement in all confirmation samples. In total, approximately 440 cubic yards of impacted soil was removed and transported to the Envirotech, Inc. landfarm located in San Juan County, New Mexico. Soil sample results are summarized in Table 1, with complete laboratory analytical reports attached as Appendix B. Photographs taken by Ensolum during the excavation work are included on Figure 3.

CLOSURE REQUEST

Site excavation and sampling activities were conducted at the Site to address the release of crude oil (condensate) and produced water discovered on October 20, 2023. Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirement and no further remediation is required. Excavation of impacted soil has mitigated impacts at this Site and these remedial actions have been protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2330638542.

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

Sincerely, **Ensolum, LLC**

Stuart Hyde, PG (licensed in WA & TX) Senior Managing Geologist (970) 903-1607 shyde@ensolum.com Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist
(303) 887-2946
dmoir@ensolum.com

Attachments:

Figure 1: Site Receptor Map

Figure 2: Delineation Soil Sample Results

Figure 3: Excavation Soil Samples

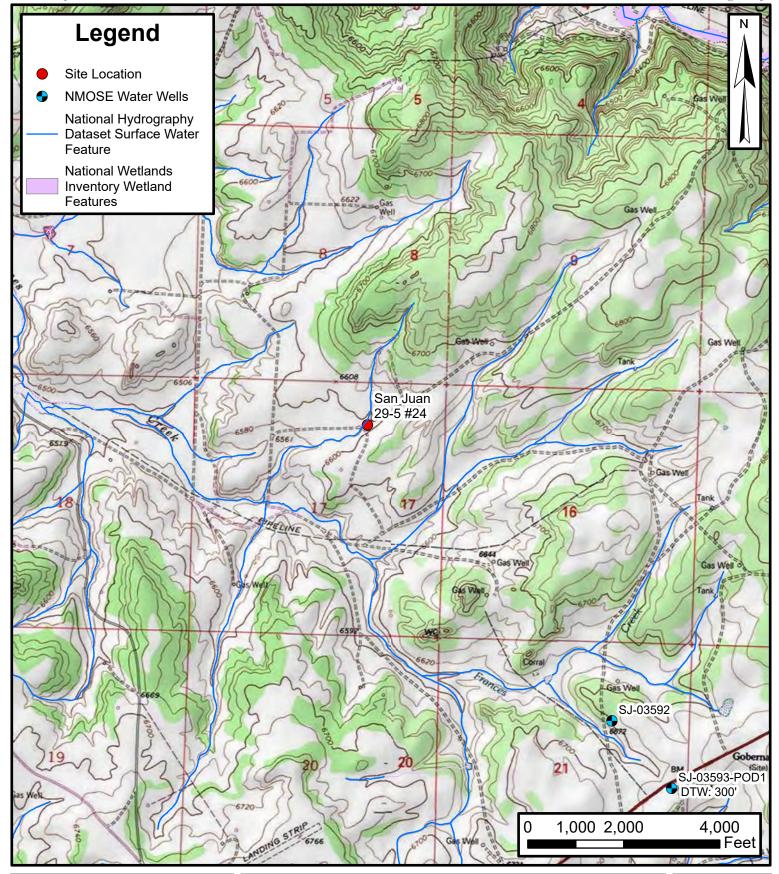
Figure 4A: N. and W. Sidewall Sample Locations
Figure 4B: South Sidewall Sample Locations
Figure 4C: East Sidewall Sample Locations

Table 1: Soil Sample Analytical Results

Appendix A: NMOCD Correspondence
Appendix B: Laboratory Analytical Reports



FIGURES

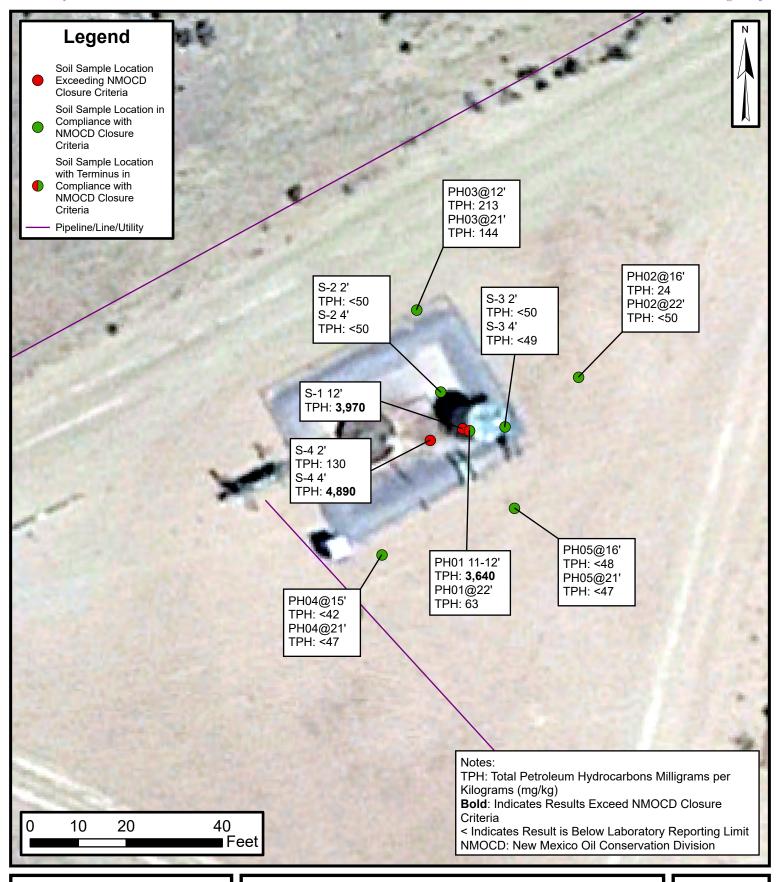




Site Receptor Map

San Juan 29-5 #24 Hilcorp Energy Company

36.730450, -107.376274 Rio Arriba County, New Mexico FIGURE





Delineation Soil Sample Results

San Juan 29-5 #24 Hilcorp Energy Company

36.730450, -107.376274 Rio Arriba County, New Mexico FIGURE



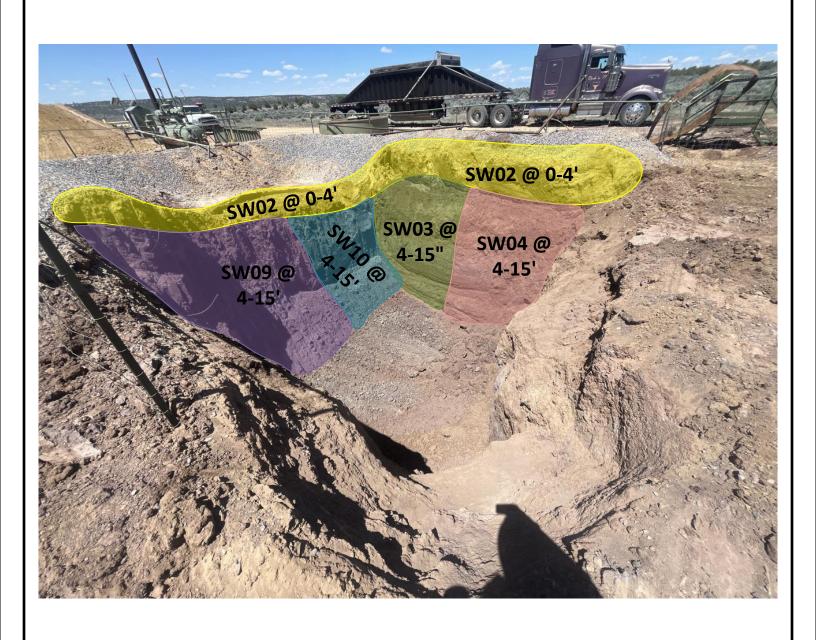


Excavation Soil Samples

San Juan 29-5 #24 Hilcorp Energy Company

36.730450, -107.376274 Rio Arriba County, New Mexico FIGURE 3





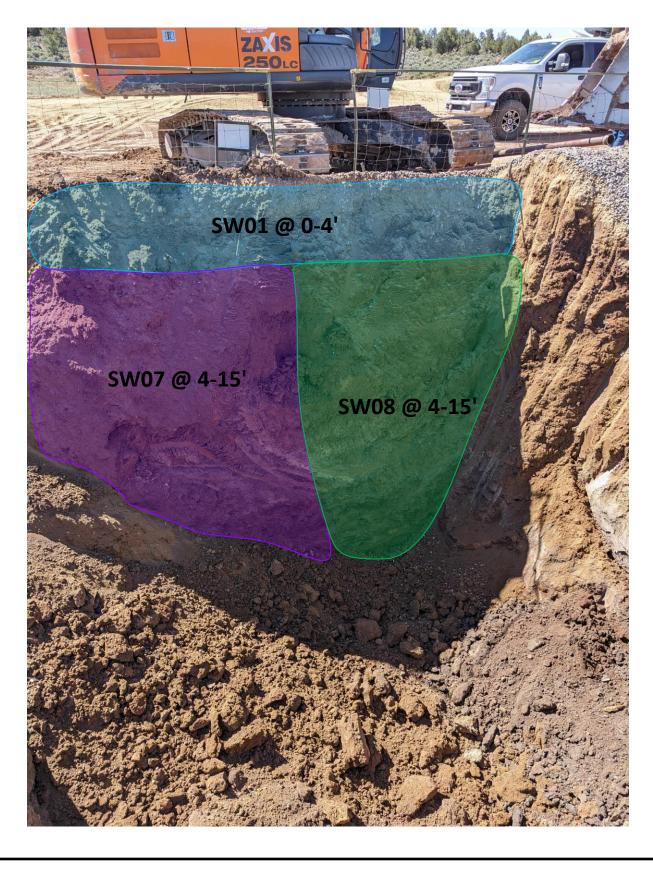


N. and W. Sidewall Sample Locations

San Juan 29-5 #24 Hilcorp Energy Company 36.730295°, -107.377310° Rio Arriba County, New Mexico

FIGURE 4A



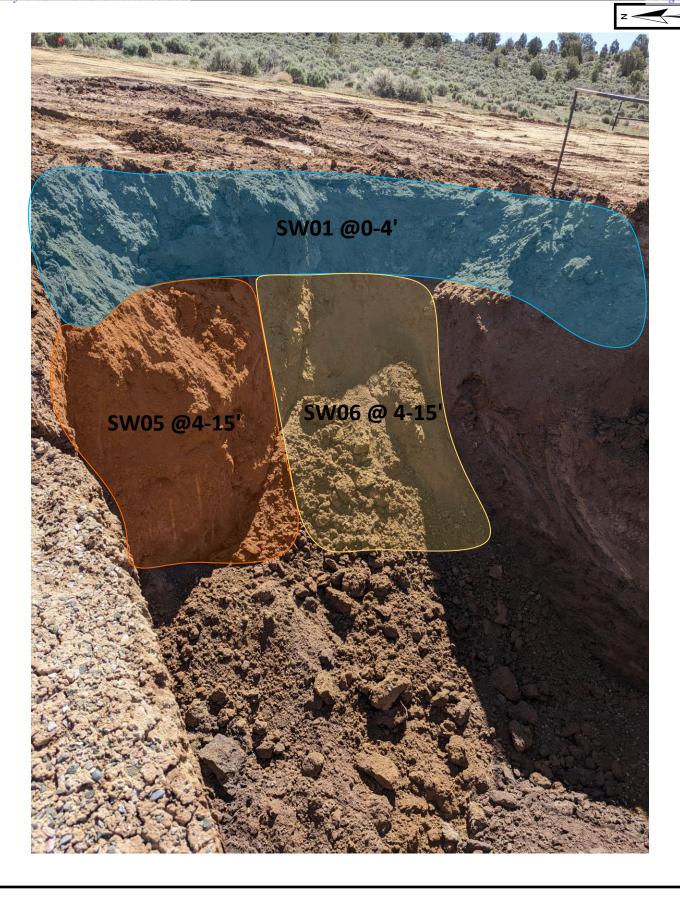




South Sidewall Sample Locations

San Juan 29-5 #24 Hilcorp Energy Company 36.730295°, -107.377310° Rio Arriba County, New Mexico

FIGURE 4B





East Sidewall Sample Locations

San Juan 29-5 #24 Hilcorp Energy Company 36.730295°, -107.377310° Rio Arriba County, New Mexico

FIGURE 4C



TABLES



TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS** San Juan 29-5 #24 **Hilcorp Energy Company Rio Arriba County, New Mexico** TPH PID **TPH GRO TPH DRO** TPH MRO **Total TPH** Toluene Ethylbenzene **Xylenes Total BTEX** Chloride Depth Benzene Sample ID Date GRO+DRO (feet bgs) (ppm) (mg/kg) **NMOCD Closure Criteria for Soils Impacted** NE NE NE NE 1,000 2,500 10 NE NE NE 50 20,000 by a Release **Delineation Soil Sample Analytical Results** S-1 12' 10/25/2023 12 370 3,600 <490 3,970 3,970 < 0.024 < 0.048 0.53 20 20.53 <60 S-2 2' 11/1/2023 2 <4.8 < 9.9 < 9.9 < 50 < 0.024 < 0.048 < 0.048 < 0.095 < 0.095 <60 S-2 4' 11/1/2023 4 <4.9 <10 <50 <10 < 50 < 0.025 < 0.049 < 0.049 < 0.099 < 0.099 <59 S-3 2' 11/1/2023 2 <4.8 < 9.9 <50 < 9.9 < 50 < 0.024 < 0.048 < 0.048 < 0.096 < 0.096 <60 S-3 4' 11/1/2023 4 <4.8 <9.9 <49 <9.9 <49 < 0.024 < 0.048 <60 < 0.048 < 0.096 < 0.096 S-4 2' 11/1/2023 130 130 130 < 0.048 2 <4.8 <49 < 0.024 < 0.048 < 0.095 73 S-4 4' 11/1/2023 4 790 4.100 <930 4.890 4.890 < 0.12 < 0.25 1.1 28 29.1 68 PH01 11-12 12/11/2023 11-12 254 840 2,800 <480 3,640 3,640 < 0.11 < 0.23 0.73 16 16.73 <61 PH01@22 12/20/2023 22 600 6.8 56 <46 63 63 < 0.023 < 0.046 < 0.046 < 0.093 < 0.093 <60 PH02@16 12/20/2023 16 465 <4.6 24 <48 24 24 < 0.023 < 0.046 < 0.046 < 0.093 < 0.093 <60 PH02@22 12/20/2023 22 4.8 <4.8 <10 <50 <10 <50 < 0.024 < 0.048 < 0.048 < 0.095 < 0.095 <60 PH03@12 12/20/2023 12 910 23 190 213 213 < 0.025 < 0.050 <47 < 0.050 < 0.099 < 0.099 <60 144 PH03@21 12/20/2023 21 144 < 0.047 < 0.094 516 14 130 < 50 < 0.024 < 0.047 < 0.094 <60 <42 PH04@15 12/20/2023 15 395 <4.8 <8.4 <42 < 8.4 < 0.024 <0.048 < 0.048 < 0.097 < 0.097 <60 <9.4 <9.4 <47 PH04@21 12/20/2023 21 1,006 <4.6 <47 < 0.023 < 0.046 < 0.093 < 0.093 <60 < 0.046 PH05@16 12/20/2023 16 17 <4.8 < 9.7 <48 < 9.7 <48 < 0.024 < 0.048 < 0.048 < 0.096 < 0.096 <60 PH05@21 12/20/2023 21 2.8 <4.7 < 9.4 <47 < 9.4 <47 < 0.024 < 0.047 < 0.047 < 0.095 < 0.095 <61 **Excavation Sidewall Soil Sample Analytical Results** SW01 @ 0-4' 5/1/2024 0-4 9.2 <20 <25 SW02 @ 0-4' 5/1/2024 0-4 8.8 <20 <25 <50 <25 < 50 SW03 @ 4-15' 5/1/2024 4-15 360 <20 <25 <50 <25 < 50 ------------SW04 @ 4-15' 5/1/2024 4-15 48.1 20.8 <25 <50 20.8 20.8 SW05 @ 4-15' 107 5/1/2024 4-15 298 <20 < 50 107 107 SW06 @ 4-15' 5/1/2024 4-15 189 <20 <25 <50 <25 < 50 ------SW07 @ 4-15' 5/1/2024 4-15 694 <20 91.1 <50 91.1 91.1 SW08 @ 4-15' 5/1/2024 4-15 783 85 559 <50 644 664 SW09 @ 4-15' 5/1/2024 4-15 574 <20 <25 <50 <25 < 50 ------SW10 @ 4-15' 5/1/2024 4-15 118 <20 <25 <50 <25 < 50



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS San Juan 29-5 #24

Hilcorp Energy Company

	Rio Arriba County, New Mexico													
Sample ID	Date	Depth (feet bgs)	PID (ppm)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	TPH GRO+DRO (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
NMOCD Closur	e Criteria for S by a Release	oils Impacted	NE	NE	NE	NE	1,000	2,500	10	NE	NE	NE	50	20,000
					Ex	cavation Floor	Soil Sample Ar	alytical Result	s					
FS01 @ 15'	5/1/2024	15	101	<20	<25	<50	<25	<50						
FS02 @ 15'	5/1/2024	15	659	38.8	235	<50	273.8	273.8						
FS03 @ 15'	5/1/2024	15	513	<20	74.8	<50	74.8	74.8						
FS04 @ 15'	5/1/2024	15	593	<20	93.1	<50	93.1	93.1						

Notes:

bgs: Below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: Milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

PID: Photoionization Detector ppm: Parts per million

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics TPH: Total Petroleum Hydrocarbon

': feet

<: indicates result less than the stated laboratory reporting limit (RL)</p>

Concentrations in bold exceed the New Mexico Oil Conservation Division Table I Closure Criteria for Soils Impacted by a Release



APPENDIX A

NMOCD Correspondence

From: OCDOnline@state.nm.us

To: Stuart Hyde

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 337537

Date: Thursday, April 25, 2024 8:52:42 AM

[**EXTERNAL EMAIL**]

To whom it may concern (c/o Stuart Hyde for HILCORP ENERGY COMPANY),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2330638542.

The sampling event is expected to take place:

When: 05/01/2024 @ 08:00

Where: B-17-29N-05W 990 FNL 1650 FEL (36.7301331,-107.3774109)

Additional Information: Contact PM Stuart Hyde, 970-903-1607

Additional Instructions: San Juan 29-5 #24 Well Pad, Coordinates 36.730450, -107.376274

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

• Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

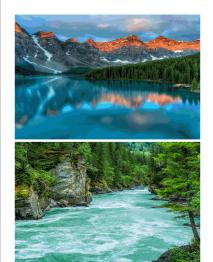
New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505



APPENDIX B

Laboratory Analytical Reports

Report to: Stuart Hyde







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Hilcorp Energy Co

Project Name: San Juan 29-5 #24

Work Order: E405004

Job Number: 17051-0002

Received: 5/1/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 5/3/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/3/24

Stuart Hyde PO Box 61529 Houston, TX 77208

Project Name: San Juan 29-5 #24

Workorder: E405004

Date Received: 5/1/2024 2:41:00PM

Stuart Hyde,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/1/2024 2:41:00PM, under the Project Name: San Juan 29-5 #24.

The analytical test results summarized in this report with the Project Name: San Juan 29-5 #24 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

Client Representative Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW01 @ 0-4'	5
SW02 @ 0-4'	6
SW03 @ 4-15'	7
SW04 @ 4-15'	8
SW05 @ 4-15'	9
SW06 @ 4-15'	10
SW07 @ 4-15'	11
SW08 @ 4-15'	12
SW09 @ 4-15'	13
SW10 @ 4-15'	14
FS01 @ 15'	15
FS02 @ 15"	16
FS03 @ 15"	17
FS04 @ 15"	18
QC Summary Data	19
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

	Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	Donoutoda
١	PO Box 61529	Project Number:	17051-0002	Reported:
l	Houston TX, 77208	Project Manager:	Stuart Hyde	05/03/24 14:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 @ 0-4'	E405004-01A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW02 @ 0-4'	E405004-02A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW03 @ 4-15'	E405004-03A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW04 @ 4-15'	E405004-04A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW05 @ 4-15'	E405004-05A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW06 @ 4-15'	E405004-06A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW07 @ 4-15'	E405004-07A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW08 @ 4-15'	E405004-08A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW09 @ 4-15'	E405004-09A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
SW10 @ 4-15'	E405004-10A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
FS01 @ 15'	E405004-11A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
FS02 @ 15"	E405004-12A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
FS03 @ 15"	E405004-13A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.
FS04 @ 15"	E405004-14A	Soil	05/01/24	05/01/24	Glass Jar, 4 oz.

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW01 @ 0-4' E405004-01

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		88.0 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW02 @ 0-4'

		E405004-02						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: RKS			Batch: 2418081		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/01/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	05/01/24	05/01/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2418090		
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24			
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24			
Surrogate: n-Nonane		98.8 %	50-200	05/02/24	05/02/24			



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW03 @ 4-15'

E405004-03

Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		99.4 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW04 @ 4-15'

E405004-04	

Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	20.8	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		109 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW05 @ 4-15'

E405004-05							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2418081	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	05/01/24	05/02/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2418090	
Diesel Range Organics (C10-C28)	107	25.0	1	05/02/24	05/02/24		
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24		
Surrogate: n-Nonane		114 %	50-200	05/02/24	05/02/24		

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW06 @ 4-15'

E405004-06								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2418081		
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	05/01/24	05/02/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2418090		
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24			
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24			
Surrogate: n-Nonane		79.6%	50-200	05/02/24	05/02/24			

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW07 @ 4-15'

E405004-07							
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2418081	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	05/01/24	05/02/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2418090	
Diesel Range Organics (C10-C28)	91.1	25.0	1	05/02/24	05/02/24		
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24		
Surrogate: n-Nonane		82.4%	50-200	05/02/24	05/02/24		

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW08 @ 4-15'

E405004-08						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	85.0	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	559	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		105 %	50-200	05/02/24	05/02/24	·



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW09 @ 4-15'

E405004-09						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		75.8 %	50-200	05/02/24	05/02/24	

Sample Data

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

SW10 @ 4-15'

		E405004-10					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	/kg Analyst: RKS Batch: 2418081				Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130		05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: Kl	М		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1		05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	05/02/24	05/02/24	
Surrogate: n-Nonane		73.1 %	50-200		05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

FS01 @ 15'

		E405004-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		69.6 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

FS02 @ 15"

E4	05	ሰሰ	4_	12
ĽŦ	vJ	vv	4-	14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	38.8	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	235	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		88.1 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

FS03 @ 15"

		E405004-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	74.8	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		85.4 %	50-200	05/02/24	05/02/24	



Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

FS04 @ 15"

		E405004-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2418081
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/24	05/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.7 %	70-130	05/01/24	05/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2418090
Diesel Range Organics (C10-C28)	93.1	25.0	1	05/02/24	05/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/24	05/02/24	
Surrogate: n-Nonane		111 %	50-200	05/02/24	05/02/24	



QC Summary Data

Hilcorp Energy Co PO Box 61529	Project Name: Project Number:	San Juan 29-5 #24 17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM

Houston TX, 77208		Project Manage	r: St	uart Hyde				5/	3/2024 2:57:26PM
	Non	halogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2418081-BLK1)							Prepared: 0	5/01/24 Anal	yzed: 05/01/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
LCS (2418081-BS2)							Prepared: 0	5/01/24 Anal	yzed: 05/01/24
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2418081-MS2)				Source:	E405004-	02	Prepared: 0	5/01/24 Anal	yzed: 05/01/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		8.00		100	70-130			
Matrix Spike Dup (2418081-MSD2)				Source:	E405004-	02	Prepared: 0	5/01/24 Anal	yzed: 05/01/24
Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	8.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.8	70-130			



QC Summary Data

Hilcorp Energy Co PO Box 61529	Project Name: Project Number:	San Juan 29-5 #24 17051-0002	Reported:	
Houston TX, 77208	Project Manager:	Stuart Hyde	5/3/2024 2:57:26PM	

Houston TX, 77208		Project Manager	r: Stı	uart Hyde				5	5/3/2024 2:57:26PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2418090-BLK1)							Prepared: 0	5/02/24 Ana	alyzed: 05/03/24	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	37.8		50.0		75.7	50-200				
LCS (2418090-BS1)							Prepared: 05/02/24 Analyzed: 05/03/24			
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132				
Surrogate: n-Nonane	38.1		50.0		76.2	50-200				
Matrix Spike (2418090-MS1)				Source:	Source: E405004-08			Prepared: 05/02/24 Analyzed: 05/03/24		
Diesel Range Organics (C10-C28)	850	25.0	250	559	116	38-132				
Surrogate: n-Nonane	48.0		50.0		96.0	50-200				
Matrix Spike Dup (2418090-MSD1)				Source:	E405004-	08	Prepared: 0	5/02/24 Ana	alyzed: 05/03/24	
Diesel Range Organics (C10-C28)	844	25.0	250	559	114	38-132	0.754	20		
Surrogate: n-Nonane	51.1		50.0		102	50-200				

QC Summary Report Comment:

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



Definitions and Notes

Hilcorp Energy Co	Project Name:	San Juan 29-5 #24	
PO Box 61529	Project Number:	17051-0002	Reported:
Houston TX, 77208	Project Manager:	Stuart Hyde	05/03/24 14:57

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



	\sim
	Z
	-
-	
v	
_	
ľ	
٠,	•
of 24	
-	•
\sim	١.
_	,
_	
۲١	
٠,	•
ς	

Daninat	I=f=====t!
Project	Information

Chain of Custody

1		1
Page /	of	d

Client: HEC HILCOPP Energy Co.	Bill To	11	5.85	Lab	Use	Only	Land to	30/3		T	AT .	EPA P	rogram
Project: San Juan 29-5 #29 Attention Project Manager: Stuart Hyde Address:	Kaufman I	Lab W	10#	. 71			ımber		D 2D	3D	Standard	CWA	SDWA
Address: City, State	F	E40		09			and Meth				2.87,58,62.77		DCDA
City, State, Zip Phone:		T	T		Ť	1	T T		\neg	П			RCRA
Phone: Email: K	nan@ Hilcorp.com	8015	8015	- 1							A D. CHARLES	State	
Email: Styde @ ensolum.com Report due by:	i I .		by 8	021	2 2	2 8					NM CO	UT AZ	TX
Time Sampled Date Sampled Matrix No. of Containers Sample ID	Lab	DRO/ORO	GRO/DRO by	BTEX by 8021	Metale 6010	מלוכים ליונים מסודה					X	Remarks	
1140 5/1/24 Boil 1, Swor @ 0-	Number	Ž,	¥ /	THE S	3 5	-	-	+	+			Kemarks	
		/\/	A		4	_		\perp					
1150 Swo2@0-	2												
1200 5003@4-1	3						9				0.00		
1210 SW04@4-1	lq	Π	\prod		1			1					
1220 Swo5@4-	15					1		\dagger	\top	\Box			
1230 SWOG@ 4-1	1611		$\dagger \dagger$	\top	\dagger	\dagger		+	+			***********	
1240 56087@4-1	7			T	T	\dagger	1	\dagger	T				
1260 Sw08@4-	(\parallel	T		T		1	T				
1306 Swoq@4-1	9 11		I		T	1		1					
1310 V V SW10@4-1	10	V .	4	T		T		T				****	
Additional Instructions:												***************************************	
, (field sampler), attest to the validity and authenticity of this sample. I am aware that tamperin late or time of collection is considered fraud and may be grounds for legal action.	entionally mislabelling the sample locati by: Al Thomson	tion,									ived on ice the day th C on subsequent day		d or received
Relinquished by: (Signature) Al Thomson Page 1 Time 140 Receive 5-1 Time 1470 Receive 5-1	ture) Date	Tim	14:1	ul	Veli			6464	Lab Us	e Onl			
Relinquished by: (Signature) Date Time Receive	ture) Date	Tim		-11	Ke	ceive	d on Ice;	C	Y)/ N				
Relinquished by: (Signature) Date Time Receive	ture) Date .	. Tim	ie		T1	G Te	mp °C_ 4	<u>T2</u>					a de la companya de
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container Ty		ala.						. The second		A TRANSPORTER OF	Appendiculation	



G envirotech seport.

Caron the report.

Caron the report.

Caron the report.

Client Information	Invoice Informatio	on			La	b Us	e Or	ıly				TA	AT	State
Client: Hilcofp Energy company	Company: HEL	1.1.3	Lab	WO#			Job	Num	ber		1D	2D	3D Std	NM CO UT TX
Client: Hilcorp Energy Company Project Name: Sun Juan 29-5 #24	Address:		F	WO#	400			31-		27	Ž	20	30 314	X 0 01 1X
Project Manager: Stuny+ Hyde	City, State, Zip:				E ALE	, marine			KU19	-		i Section	FILE COST	
Address:	Phone:						Δn	alysis	and	Mot	hod		1/ 10-0	EPA Program
City, State, Zip:		11/210 10			_		Alle	119515	anu	iviet	nou	_		
Phone:	Email: K Kaufman @i	1116311 -637												SDWA CWA RCRA
Email: Shyde@ensolum.com	Miscellaneous: Attn: Kate Kaus	-a- A												
Email. 34/8CG (11/01011.Cert	11111. 1011/6 1010	Person		015	8015							5.0		Compliance Y or N
Sample In	formation			DRO/ORO by 8015	by 8	3021	260	Chloride 300.0	ΣZ	× T×	RCRA 8 Metals	Cation/Anion Pkg		PWSID #
Time	- Communication	क से ।	ab	ORC	DRC	by 8	by 8	ge	- 20	1000	8	ı/Anı		Remarks
Sampled Date Sampled Matrix Containers	Sample ID	10 ±	nber	DRO/	GRO/DRO by	BTEX by 8021	VOC by 8260	Chlor	BGDOC - NM	TCEQ 1005 - TX	RCRA	Cation		Nemarks
1320 5-1 Spil 2 FSO 1	@15'	1	1	X	X									
1330 FS 02	1015	1	2		T									
1340 F503	@15' @15'	· Y	3											
1350 V V F5040	215		4	J	1									
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,														
				_										
7 - 10														
Additional Instructions:				<u> </u>										
I, (field sampler), attest to the validity and authenticity of this sample. I am	aware that tampering with or intentionally mislabe	eling the sample loca	ition, d	ate or	time o	f collec	tion is	consid	dered f	raud a	nd may	be gr	ounds for leg	al action.
Sampled by: Al Thomson	Ts													
Relinquished by: (Signature) Date 1440 Time 5-		SII W		Time	1:4									nust be received on ice the day they are og temp above 0 but less than 6°C on
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time					Rec	eive	l on i	ce.	(y)/ N	lse Only
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time					7.	CIVE	. 0111			
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date		Time					Δν.σ	5 Ter	nn °C			<u>T3</u>
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Containe	r Typ	e: g -	glass	. p - r	oly/r	olastic	c, ag	amb	er gla	155. V	- VOA	
Note: Samples are discarded 14 days after results are reported unle is applicable only to those samples received by the laboratory with	A STATE OF THE PROPERTY OF THE	samples will be re	eturne	d to c	lient o	or disp	osed							he analysis of the above samples



envirotech

Printed: 5/1/2024 3:08:14PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client Motor Planty Co Date Excerved GestLes Seed GestLes G	CII.	Hilcorp Energy Co	Data Bassinada	05/01/04 14 4	•		W I O I ID	E405004	
Email: shyle@emolum.com Due Duis: 05/10/24/17/90 (1 day TAT)	Client:	Theorp Energy Co	Date Received:				Work Order ID:	E405004	
Case to the number of samples per sampling site location match the COC Yes		-					Logged In By:	Jessica Liesse	
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples of the number of samples per sampling site location match the COC 4. Was the COC complete, le, signatures, datestimes, requested analyses? 4. Was the COC complete, le, signatures, datestimes, requested analyses? 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody/security seals brates intact? 11. If yes, were custody/security seals intact? 12. Was he sample received in inic Y fyes, the recorded temp is 4°C, i.e., 6°4.2°C Nove Themash proservation is not required, if samples are received wil 15 indicates of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 5. Sample Containing 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOC analyses? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a rip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Sample Container 19. Local Sample Content in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field Landy 21. Local Sample Lands filled out with the minimum information: Sample Correction preserved? 22. Are sample(s) correctly preserved? 23. Are samples collected in the correct containers? 24. Samples Dreserved? 25. Are samples correctly preserved? 26. Loca the sample have more than one phase, i.e., multiphase? 27. If yes,	Email:	shyde@ensolum.com	Due Date:	05/02/24 17:0	0 (1 day TAT)				
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples of the number of samples per sampling site location match the COC 4. Was the COC complete, le, signatures, datestimes, requested analyses? 4. Was the COC complete, le, signatures, datestimes, requested analyses? 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals intact? 11. If yes, were custody/security seals intact? 12. Was he sample received in item or required, if samples are received wil 15 minutes of anaphing 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{1}{2}$ C Sample Contained. 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOC analyses? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Sample Contained 20. Were field sample labels filled out with the minimum information: Sample Dressravation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are samples collected in the correct containers? 24. Sample Dressravation 25. Less the sample have more than one phase, i.e., multiphase? 26. Less the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which planse(s) is to be analyzed? 28. Are samples continued to present and one phase, i.e., multiphase? 29. Wa	Chain of	f Custody (COC)							
2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 7. Was a sample and Timer TAT1 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample specified intact, i.e., not broken? 7. Was a sample received in good condition? 8. If yes, was cooler received? 8. If yes, was cooler received? 9. Was the sample's preceived intact, i.e., not broken? 12. Was the sample received on ized if yes, the recorded temp is 4°C, i.e., 6°=2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 8. Sample Container 14. Are aqueous VOC samples collected in VOA Vials? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Drostrime Collected? 20. Were field sample labels filled out with the minimum information: Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and or requested for dissolved metals? 24. Is lab filteration required and or requested for dissolved metals? 25. No. Subcontract Laboratory 26. Was a subcontract Laboratory specified by the client and if so who? 26. Was a subcontract Laboratory specified by the client and if so who? 27. If yes, does the COC specify which phase(s)				Yes					
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 6. Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are no included in this discussion. 5. Bround Turn Around Time (TAT) 6. Did the COC inclicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Was a sample (s) received intact, i.e., not broken? 8. Klyrse, was cooler received in good condition? 9. Was the sample expected intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ise? If yes, the recented temp is 4°C, i.e., 6°=2°C Note: Thermal preservoid in so to required, if samples are received wis 15 minutes of sampling 13. If no visible ise, record the temperature. Actual sample temperature: 4°C 5. Sample Container 14. Are aqueous VOC samples collected in VOA Visils? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the paperpiate volume/weight or number of sample containers? 20. Were field sample labols filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samplely correctly preserved? 23. Les samples (your cut) preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Loos the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. As a samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 30. Subcontract Lab: NA		•	tch the COC						
4. Was the COC complete, i.e., signaturers, darker/times, requested analyses? 5. Were all samples received within holding time? Now. Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in finit discussion. Sample Turn Arvand Timer (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received one fired them is 4°C, i.e., 6°4.2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples spresent? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers? 20. Were field sample labels filled out with the minimum information: Sample ID? Due Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? 22. Are samplely correctly preserved? 23. Are samplely correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples correctly preserved? 28. Are samples creating of the yet sent to a subcontract laboratory as a becontract Laboratory specified by the client and if so who? 29. Was a subcontract Laboratory specified by the client and if so who? 20. Was a subcontract Laboratory specified by the client and if so who? 20. Are sampled to the country of the count	3. Were	samples dropped off by client or carrier?			Carrier: A	Al Thompson			
5. Were call samples received within holding time? Note Analysis, such usp thick should be conduced in the field, i.e., 15 minute hold time, are not included in this disucession. Sample Cooler (College of the College of the Colleg			sted analyses?			<u></u>			
i.e. 15 minute hold time, are not included in this disacession. Samulo Turn Trum Trum 6. Did the COC indicate standard TAT, or Expedited TAT? 7 vs. 8 Samule Cooler 8. If yes, was cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Note Thermal preservation is not required, if samples are received wii 15 minutes of sampling in the temperature. Actual sample temperature: 4°C 8 note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling preceived on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of samples good the temperature. Actual sample temperature: 4°C 8 note: Sample Container 14. Are aqueous VOC samples collected in VOA Vials? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC canalyses? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 10. Collectors name? 10. Collectors name? 10. Collectors			•	Yes					
Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample (s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6° a2°C Nove: Thermal pressrvation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample Treservation. 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 32. Are sample(s) correctly preserved? 33. An indicate the sample were preserved? 34. Is lab filleration required and/or requested for dissolved metals? 35. No Multiphase Sample Martx 36. Does the COC specify which phase(s) is to be analyzed? 36. No Subcontract Laboratory. 37. Kyes, does the COC specify which phase(s) is to be analyzed? 38. Are samples required to get sent to a subcontract laboratory? 39. Was a subcontract laboratory specified by the client and if so who? 39. Was a subcontract Laboratory specified by the client and if so who? 30. Was a subcontract Laboratory specified by the client and if so who? 30. Was a subcontract Laboratory specified by the client and if so who?		- · · · · · · · · · · · · · · · · · · ·					Comment	s/Decolution	
6. Did the COC indicate standard TAT, or Expedited TAT? Sample Cooler 7. Was a sample cooler received in good condition? 9. Was the sample(s) received in good condition? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°22°C Not: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples officeted in the orrect containers? 19. Is the appropriate volume/weight or number of sample containers of sample labels filled out with the minimum information: Sample ID? Date Time Collected? 20. Were field sample labels filled out with the minimum information: Sample IP: Date Time Collected? 21. Does the COC or field labels indicate the samples were preserved? No. Multiphase Sample Martx 22. Are sample(s) correctly preserved? No. Multiphase Sample Martx 25. Does the sample have more than one phase, i.e., multiphase? No. Multiphase Sample Martx 26. Does the sample have more than one phase, i.e., multiphase? No. Subcontract Laboratory. 27. If yes, does the COC specify which phase(s) is to be analyzed? No. Subcontract Laboratory No. No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who?			ion.				Comment	s/Resolution	
Sample Cooler. 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date: Time Collected? Yes Date: Time Collected? Yes Collectors name? Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 21. It is ab filteration required and/or requested for dissolved metals? No				7.7					
7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Themal preservation is not required, if samples are received wi 15's minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Sample Preservation 20. Were field sample labels filled out with the minimum information: Sample IP? Date/Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 33. No. Multiphase Sample Matrix 24. Las has filteration required and/or requested for dissolved metals? 34. Are sample sequired to get sent to a subcontract laboratory? 35. No. Subcontract Laboratory 36. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory 26. Was a subcontract laboratory specified by the client and if so who? No. Subcontract Laboratory		· •		Yes					
8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Note: Thermal preservation is not required, if samples are received win 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: 19. Sample ITES 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample sample mature. 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 30. Subcontract Lab: NA 31. Subcontract Lab: NA				***					
9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wil 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA		_							
10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Date/Time Collected? Collectors name? 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Yes Collectors name? 21. Does the COC or field labels indicate the samples were preserved? No. 22. Are sample(s) correctly preserved? No. Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No. Shebontract Laboratory 27. If yes, does the COC specify which phase(s) is to be analyzed? No. Shebontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory	•	-		Yes					
11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? 10. Were field sample labels filled out with the minimum information: Sample ID? 11. Does the COC or field labels indicate the samples were preserved? 12. Does the COC or field labels indicate the samples were preserved? 13. Is lab filteration required and/or requested for dissolved metals? 14. Is lab filteration required and/or requested for dissolved metals? 15. No Multiphase Sample Matrix 16. Ose the COC specify which phase(s) is to be analyzed? 17. If yes, does the COC specify which phase(s) is to be analyzed? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 19. No Subcontract Laboratory 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory specified by the client and if so who? 19. Subcontract Laboratory speci		* * * *		Yes					
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wi 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: 19. Sample ID? 20. Were field sample labels filled out with the minimum information: 19. Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and/or requested for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	10. Were	custody/security seals present?		No					
Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Collectors name? Sample ID? Yes Collectors name? Yes Collectors name? Yes Collectors prace very preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No Multiphase Sample have more than one phase, i.e., multiphase? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory No Subcontract Lab: NA	11. If yes	s, were custody/security seals intact?		NA					
Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 20. Were field sabels of field labels indicate the samples were preserved? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No NA Subcontract Lab: NA	12. Was the	Note: Thermal preservation is not required, if samples an		Yes					
14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 18. Are non-VOC samples collected for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name? No 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? Als lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 71. If yes, does the COC specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No Subcontract Laboratory No No Subcontract Laboratory specified by the client and if so who? No Subcontract Lab: NA	13. If no	visible ice, record the temperature.	e temperature: 4°0	<u>C</u>					
15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No Multiphase Sample Matrix 27. If yes, does the COC specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	Sample	<u>Container</u>							
16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 10. Were field sample labels filled out with the minimum information: 10. Sample ID? 10. Date/Time Collected? 11. Does the COC or field labels indicate the samples were preserved? 12. Does the COC or field labels indicate the samples were preserved? 13. No 14. Is lab filteration required and/or requested for dissolved metals? 15. No 16. Multiphase Sample Matrix 17. If yes, does the COC specify which phase(s) is to be analyzed? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? 18. A Subcontract Lab: NA	14. Are a	aqueous VOC samples present?		No					
17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? 11. Does the COC or field labels indicate the samples were preserved? 12. Are sample(s) correctly preserved? 13. Is lab filteration required and/or requested for dissolved metals? 14. Is lab filteration required and/or requested for dissolved metals? 15. Does the sample have more than one phase, i.e., multiphase? 16. Does the sample have more than one phase, i.e., multiphase? 17. If yes, does the COC specify which phase(s) is to be analyzed? 18. Are samples required to get sent to a subcontract laboratory? 18. Are samples required to get sent to a subcontract laboratory? No Subcontract Lab: NA	15. Are \	VOC samples collected in VOA Vials?		NA					
18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No 4. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 7. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA					
19. Is the appropriate volume/weight or number of sample containers collected? Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No Multiphase COC or specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	17. Was	a trip blank (TB) included for VOC analyses?		NA					
Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No Tily yes, does the COC specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? No Subcontract Lab: NA	18. Are 1	non-VOC samples collected in the correct containers	?	Yes					
20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 71. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes					
Sample ID? Date/Time Collected? Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 77. If yes, does the COC specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? No Subcontract Laboratory specified by the client and if so who? No Subcontract Laboratory specified by the client and if so who? No Subcontract Laboratory Specified by the client and if so who? No Subcontract Laboratory Specified by the client and if so who? No Subcontract Laboratory Specified by the client and if so who? No Subcontract Laboratory Specified by the client and if so who?	Field La	<u>bel</u>							
Date/Time Collected? Collectors name? Yes Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No The yes, does the COC specify which phase(s) is to be analyzed? No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA	20. Were	field sample labels filled out with the minimum infe	ormation:						
Collectors name? Yes Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA		•		Yes					
Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and/or requested for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? NO NO NO Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA									
21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: NA				Yes					
22. Are sample(s) correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA			recerved?	No					
24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA			icscived:						
Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA			metals?						
26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA		•	neuro.	110					
27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA			9	2.7					
Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA									
28. Are samples required to get sent to a subcontract laboratory? No 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	27. II ye:	s, does the COC specify which phase(s) is to be anal	yzeu?	NA					
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA									
			-						
Client Instruction	29. Was	a subcontract laboratory specified by the client and i	f so who?	NA Su	bcontract Lab	o: NA			
	Client I	nstruction							
									\neg
									-

Date

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

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**

QUESTIONS

Action 342966

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2330638542			
Incident Name	NAPP2330638542 SAN JUAN 29-5 UNIT 24 @ 30-039-07637			
Incident Type	Release Other			
Incident Status	Remediation Closure Report Received			
Incident Well	[30-039-07637] SAN JUAN 29 5 UNIT #024			

ocation of Release Source					
Please answer all the questions in this group.					
Site Name	SAN JUAN 29-5 UNIT 24				
Date Release Discovered	10/20/2023				
Surface Owner	Private				

ncident Details						
Please answer all the questions in this group.						
Incident Type	Release Other					
Did this release result in a fire or is the result of a fire	No					
Did this release result in any injuries	No					
Has this release reached or does it have a reasonable probability of reaching a watercourse	No					
Has this release endangered or does it have a reasonable probability of endangering public health	No					
Has this release substantially damaged or will it substantially damage property or the environment	No					
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No					

Nature and Volume of Release	
faterial(s) released, please answer all that apply below. Any calculations or specific justifications	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Corrosion Production Tank Crude Oil Released: 5 BBL Recovered: 0 BBL Lost 5 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Production Tank Produced Water Released: 3 BBL Recovered: 0 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	4.5 bbl oil & 3.11 bbl produced water release

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

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

QUESTIONS, Page 2

Action 342966

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	11 e, NIVI 07 303
QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID:
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist

Email: shyde@ensolum.com Date: 05/10/2024

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

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**

QUESTIONS, Page 3

Action 342966

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)	
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	None	
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information	n must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents	s of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully	delineated Yes	
Was this release entirely contained within a lined containment a	area No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 CI B)	73	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4890	
GRO+DRO (EPA SW-846 Method 8015M)	4890	
BTEX (EPA SW-846 Method 8021B c	or 8260B) 29.1	
Benzene (EPA SW-846 Method 8021B	or 8260B) 0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization repo which includes the anticipated timelines for beginning and completing the re	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, emediation.	
On what estimated date will the remediation commence	03/15/2024	
On what date will (or did) the final sampling or liner inspection of	occur 04/01/2024	
On what date will (or was) the remediation complete(d)	03/20/2024	
What is the estimated surface area (in square feet) that will be	reclaimed 0	
What is the estimated volume (in cubic yards) that will be reclai	imed 0	
What is the estimated surface area (in square feet) that will be	remediated 900	
What is the estimated volume (in cubic yards) that will be remed	diated 500	
These estimated dates and measurements are recognized to be the best gue	ess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be m	ninimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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

QUESTIONS, Page 4

Action 342966

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	ENVIROTECH LANDFARM #2 [fEEM0112336756]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	No	
OR is the off-site disposal site, to be used, an NMED facility	No	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No	
(In Situ) Soil Vapor Extraction	No	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No	
Ground Water Abatement pursuant to 19.15.30 NMAC	No	
OTHER (Non-listed remedial process)	No	

er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.

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.

Name: Stuart Hyde Title: Senior Geologist I hereby agree and sign off to the above statement Email: shyde@ensolum.com Date: 05/10/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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**

QUESTIONS, Page 5

Action 342966

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

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

QUESTIONS, Page 6

Action 342966

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 337544	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2024
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	900

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	700	
What was the total volume (cubic yards) remediated	440	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	0	
What was the total volume (in cubic yards) reclaimed	0	
Summarize any additional remediation activities not included by answers (above)	Laboratory analytical results for the excavation confirmation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria and the reclamation requirement and no further remediation is required. Excavation of impacted soil has mitigated impacts at this Site and these remedial actions have been protective of human health, the environment, and groundwater.	

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Email: shyde@ensolum.com
Date: 05/10/2024

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

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**

QUESTIONS, Page 7

Action 342966

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report		
Only answer the questions in this group if all reclamation steps have been completed.		
Requesting a reclamation approval with this submission	No	

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

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**

COMMENTS

Action 342966

COMMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	342966
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

COMMENTS

Created By	Comment	Comment Date
csmith	Returned to OCD Review, Pending Review of Remediation Plan.	6/11/2024

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

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 342966

CONDITIONS

Operator:	OGRID:	
HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	342966	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	6/11/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/11/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/11/2024