

MCollier@H-R Enterprises.com 575-909-0326

# **Site Assessment and Closure Report**

DaVinci 7 Federal Com #002H Incident# nAB1720537352 Eddy County, New Mexico

# **Prepared For:**

Cimarex Energy Co. 6001 Deauville Blvd. Suite 300N Midland, TX 79706

# **Prepared By:**

H&R Enterprises, LLC 5120 W. Kansas St. Hobbs, New Mexico 88242

December 14, 2023

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Mr. Mike Bratcher **NMOCD** 1220 S. St. Francis Dr. Santa Fe, NM 87505

Subject: Site Assessment and Closure Report

DaVinci 7 Federal Com #002H

Eddy County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. has contracted H&R Enterprises (H&R) to perform site assessment sampling services at the above-referenced location. The results of our site assessment sampling activities are contained herein.

#### **Site Information**

The DaVinci Federal Com #002H is located approximately 18 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter P, Section 7, Township 25 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.137732 North and -104.221714 West. Site plans are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reagan-Upton association, 0 to 9 percent slopes. The referenced soil data is attached in Appendix II. Drainage courses in this area are typically dry. The project site is located in a high Karst potential area (Karst Map, Appendix I).

## **Groundwater and Site Characterization**

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 14-feet below ground surface (BGS). See Appendix II for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

#### **Approximate Depth to Groundwater** 14 Feet/BGS ⊠No Yes Within 300 feet of any continuously flowing watercourse or any other significant watercourse No Yes Within 200 feet of any lakebed, sinkhole, or a playa lake ⊠No Yes Within 300 feet from an occupied permanent residence, school, hospital, institution, or church ⊠No Within 500 feet of a spring or a private, domestic fresh water well Yes used by less than five households for domestic or stock watering purposes ⊠No Yes Within 1000 feet of any freshwater well or spring Yes ⊠No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 Yes No Within 300 feet of a wetland No Yes Within the area overlying a subsurface mine ✓ Yes No Within an unstable area Yes $\boxtimes$ No Within a 100-year floodplain

As this is a site assessment in a high karst area, as well as being in an area with a depth to groundwater of less than 50-feet BGS, the closure criteria for this site is as follows:

	Table I					
	Closure Criteria for Soils Impacted by a Release					
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/I TDS	Constituent	Method*	Limit**			
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	600 mg/kg			
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg			
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg			
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg			

# **Incident Description**

On July 18, 2017, a contractor working for EOG was putting down a lay flat line and in the process, they punctured a poly flowline that belongs to Cimarex Energy Co. This caused a release of 40 barrels (bbls) of produced water onto the right-of-way. A total of 20 bbls of produced water was recovered.

#### **Site Assessment Activities**

H&R mobilized personnel to begin site assessment sampling activities of the historical release area. Grab samples were obtained by way of hand auguring the release area. Samples collected were transported to Eurofins Laboratory for analysis and the results are presented in the following data table. Site assessment sampling locations are illustrated on Site Assessment Map, Appendix I. Photographic documentation is attached in Appendix IV. Complete laboratory reports can be found in Appendix V.

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Table 1: Site Assessment Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Tabl	le 1 Closure Crit NMAC	teria 19.15.29	50 mg/kg	10 mg/kg		100 mg/kg		100 mg/kg	600 mg/kg
S-1	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	120
3-1	11/20/2023	2'R	ND	ND	ND	ND	ND	0	89.8
S-2	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	108
3-2	11/20/2023	2'R	ND	ND	ND	ND	ND	0	105
S-3	11/20/2023	0-1'R	ND	ND	ND	ND	ND	0	92.8
S-4	11/20/2023	0-1'R	ND	ND	ND	ND	ND	0	112
S-5	11/20/2023	0-1'R	ND	ND	ND	ND	ND	0	93.2
H-1	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	125
H-2	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	119
H-3	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	104
H-4	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	126
H-5	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	99.1
H-6	11/20/2023	0-1'	ND	ND	ND	ND	ND	0	116
		ND = Analyt	e Not Detecte	d S = Vertical S	ample Point H	= Horizontal Sa	ample Point		

Based on our sampling results, we believe the site was previously remediated in 2017 and a closure report was not submitted to the NMOCD.

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## Closure

Based on the site assessment sampling results completed for this project, on behalf of Cimarex Energy Co., we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

**H&R** Enterprises, LLC

Michael Collier

Michael Collier Environmental Project Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone

Appendix III Initial and Final C-141

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

# **APPENDIX I**

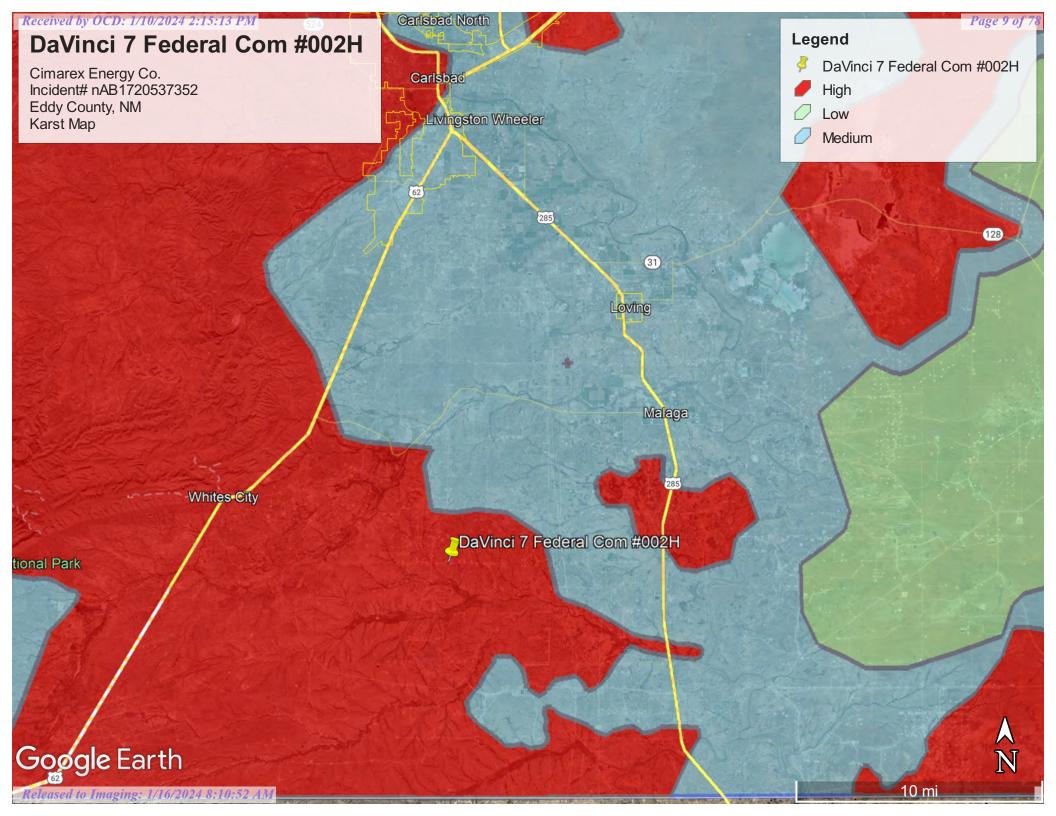
**SITE MAPS** 

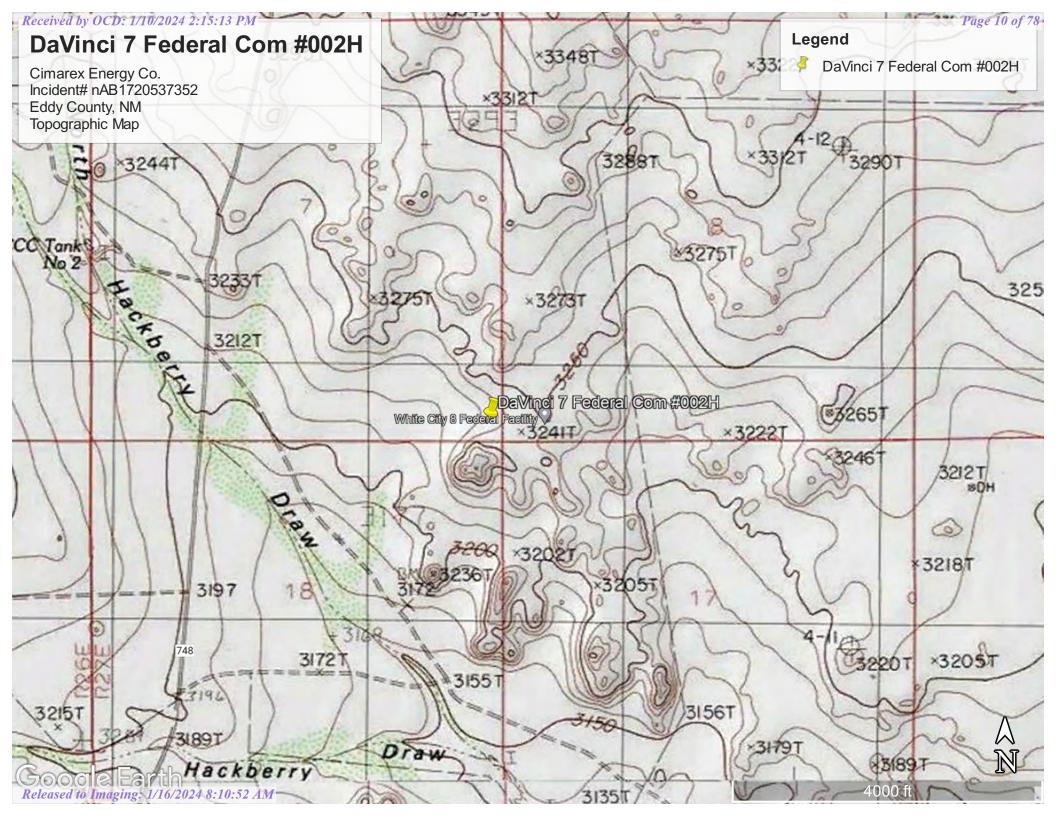
**KARST MAP** 

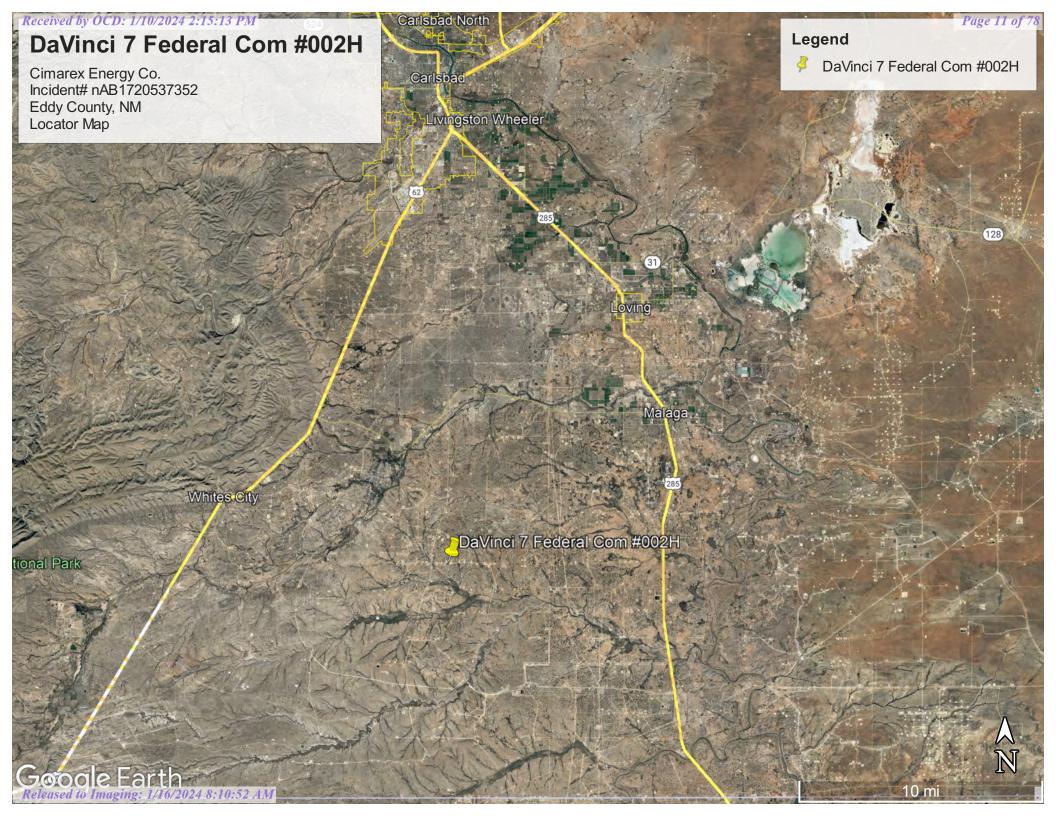
**TOPOGRAPHIC MAP** 

**LOCATOR MAP** 









# **APPENDIX II**

# **GROUNDWATER DATA**

**SOIL SURVEY** 

**FEMA FLOOD ZONE** 



# New Mexico Office of the State Engineer

# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

	POD Sub-		QQ	0							1	Vater
POD Number	Code basin	County			Tws	Rng	X	Y	DistanceDe	epthWellDe		
C 03654 POD1	CUB	ED	2 3	1 24	25S	26E	570654	3553773	2605			
C 03261 POD1	CUB	ED	3 2	1 20	25S	27E	574007	3554006*	2608	351		
C 03569 POD1	CUB	ED	2 1	1 14	25S	26E	568862	3555746	3331	30	0	30
<u>C 02221</u>	CUB	ED	4 3	2 25	25S	26E	571412	3551961*	3993	35		
<u>C 02220</u>	CUB	ED	3 1	2 26	25S	26E	569598	3552352*	4375	35		
<u>C 01013</u>	C	ED		4 25	25S	26E	571505	3551456*	4474	245		
C 03655 POD3	CUB	ED	1 4	4 22	25S	26E	568458	3553019	4700			
C 04329 POD1	C	ED	2 2	2 27	25S	26E	568577	3552567	4900	57	14	43

Average Depth to Water:

7 feet

Minimum Depth:

0 feet

Maximum Depth: 14 feet

**Record Count:** 8

**Basin/County Search:** 

County: Eddy

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 572190.21 **Northing (Y):** 3555877.56 **Radius:** 5000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/28/23 9:49 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# **Eddy Area, New Mexico**

# RE—Reagan-Upton association, 0 to 9 percent slopes

## **Map Unit Setting**

National map unit symbol: 1w5d Elevation: 1,100 to 5,400 feet

Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 180 to 240 days

Farmland classification: Farmland of statewide importance

#### **Map Unit Composition**

Reagan and similar soils: 70 percent Upton and similar soils: 25 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

### **Description of Reagan**

#### Setting

Landform: Fan remnants, alluvial fans Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

#### **Typical profile**

H1 - 0 to 8 inches: loam H2 - 8 to 60 inches: loam

#### Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to

8.0 mmhos/cm)

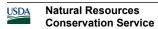
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2

inches)

#### Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 6e



Hydrologic Soil Group: B

Ecological site: R042CY153NM - Loamy

Hydric soil rating: No

## **Description of Upton**

#### Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Residuum weathered from limestone

#### Typical profile

H1 - 0 to 9 inches: gravelly loam H2 - 9 to 13 inches: gravelly loam H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

#### **Properties and qualities**

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R042CY159NM - Shallow Loamy

Hydric soil rating: No

#### **Minor Components**

#### **Atoka**

Percent of map unit: 3 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

#### Pima

Percent of map unit: 2 percent

Ecological site: R070BC017NM - Bottomland



Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

# **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 19, Sep 7, 2023

# National Flood Hazard Layer FIRMette



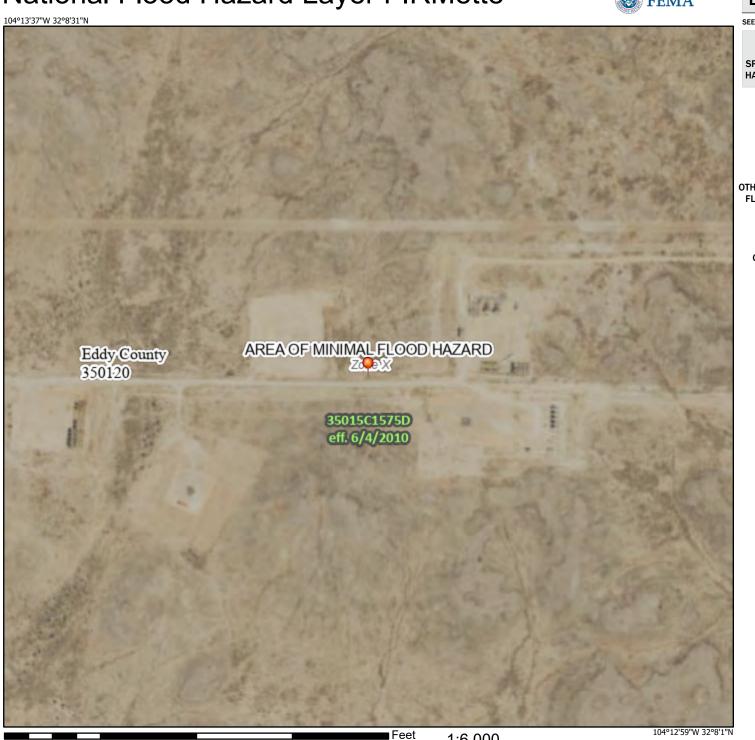


SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/7/2023 at 12:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



ORelease To Imaging: 1/16/2024 & 90:52 AM

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# **APPENDIX III**

**INITIAL C-141** 

**FINAL C-141** 

117/11/11/12

District I 1625 N. French Dr., Hohbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

NM OIL CONSERVATION State of New Mexico Energy Minerals and Natural Resources

ARTESIA DISTRICT 111 19 2017

Form C-141 Revised August 8, 2011

Released to Imaging: 1/16/2024 8:10:52 AM

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action **OPERATOR** Initial Report Final Report Name of Company Cimarex Energy Contact Christine Alderman Address 600 N Marienfeld Ste 600 Midland TX Telephone No. 432-853-7059 Facility Name DaVinci 7 Fed Com 2H Facility Type Production Surface Owner BLM Mineral Owner API No. 30-015-41259 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 07 27E 330 580 E Eddy Latitude\_32.1381989\_Longitude -104.2227707 NATURE OF RELEASE Type of Release Produced water Volume of Release 40 bbls Volume Recovered 20 bbls Source of Release Date and Hour of Occurrence Date and Hour of Discovery 4" poly flowline 7/18/2017 7/18/2017 Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Mike Bratcher/Henryetta Price By Whom? Christine Alderman Date and Hour 7/19/2017 Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully. Describe Cause of Problem and Remedial Action Taken. A contractor working for EOG (Fluid Delivery Services) was putting down Lay Flat line, and in the process they punctured or 4" poly flowline, resulting in a produced water release. Describe Area Affected and Cleanup Action Taken.\* A vacuum truck was on site and recovered approximately 20 bbls. An environmental company will be contracted to coordinate clean up through Fluid Delivery Services. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist Printed Name: Christine Alderman Title: ESH Supervisor Approval Date: E-mail Address: calderman@cimarex.com Conditions of Approval: Date: 7/18/2017 Phone: 432-853-7059 \* Attach Additional Sheets If Necessary Please refer to the New Mexico Oil Conservation Division Website for

updated form(s) at:

OCD/ forms.html

http://www.emnrd.state.nm.us/

Thank you

# \*\*\*\*\*\* LIQUID SPILLS - VOLUME CALCULATIONS \*\*\*\*\*\*

7/18/2017
· 🗀

					mpu	t Data:						
If spill volum	es from measure	ment. i.e. mete	erina	ı. tank volumes. e	tc.are kno	own enter the volumes here:	OIL: 0.0000 BE	3L	WATER: 0.0000 BE	BL		
If spill volumes from measurement, i.e. metering, tank volumes, etc.are known enter the volumes here: 0.0000 BBL 0.0000 BBL  If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.												
Total Area Calculations						8	tanding Li	quid	Calculation	S		
Total Surface Area	width	length		wet soil depth	oil (%)	Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	900 ft X	10 ft	Χ	2 in	0%	Rectangle Area #1	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #2	<pre>0 ft X</pre>	0 ft	Χ	0 in	0%	Rectangle Area #2	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #3	<pre>0 ft X</pre>	0 ft	Χ	0 in	0%	Rectangle Area #3	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #4	<pre>0 ft X</pre>	0 ft	Χ	0 in	0%	Rectangle Area #4	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #5	0 ft X	0 ft	Χ	0 in	0%	Rectangle Area #5	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #6	<pre>0 ft X</pre>	0 ft	Χ	0 in	0%	Rectangle Area #6	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #7	0 ft X	0 ft	Х	0 in	0%	Rectangle Area #7	0 ft	X	0 ft	Χ	0 in	0%
Rectangle Area #8	0 ft X	0 ft	Χ	0 in	0%	Rectangle Area #8	0 ft	Χ	0 ft	Χ	0 in	0%

Input Data:

Saturated Soil Volum	e Calculations:	1100	011	Free Liquid Volu	me Calculations:	1100	011
Total Solid/Liquid Volume:	9,000 sq. ft.	<u>H2O</u> 1,586 cu. ft.	OIL cu. ft.	Total Free Liquid Volume:	sq. ft.	<u>H2O</u> .000 cu. ft.	OIL .000 cu. ft.
Estimated Volumes S	pilled			Estimated Production V	olumes Lost		
	d in Soil: e Liquid:	<u>H2O</u> 39.6 BBL <u>0.0</u> BBL	OIL 0.0 BBL 0.0 BBL	Estimated Producti	on Spilled:	H2O 0.000000 BBL	OIL 0.000000 BBL
110	Totals:	39.551 BBL	0.000 BBL	Estimated Surface   Surface Area:	Damage 9,000 sq. ft.		
Total Liquid Sp	ill Liquid:	39.551 BBL	0.000 BBL	Surface Area:	.2066 acre		
Recovered Volum	<u>es</u>			Estimated Weights, an	d Volumes		
Estimated oil recovered: Estimated water recovered:	0.0 BBL 0.0 BBL	check - ol	•	Saturated Soil = Total Liquid =	177,660 lbs 40 BBL	1,586 cu.ft. 1,661.12 gallon	59 cu.yds. 13,821 lbs

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Application ID	

# **Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)				
Did this release impact groundwater or surface water?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No				
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No				
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No				
Are the lateral extents of the release overlying a subsurface mine?					
Are the lateral extents of the release overlying an unstable area such as karst geology?					
Are the lateral extents of the release within a 100-year floodplain?					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.					
Characterization Report Checklist: Each of the following items must be included in the report.					
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.  Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs  Photographs including date and GIS information  Topographic/Aerial maps  Laboratory data including chain of custody					

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

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name:	_ Title:			
Signature:	Date:			
email:	Telephone:			
OCD Only				
Received by:	Date:			

Received by OCD: 1/10/2024 2:15:13 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

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# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC					
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)					
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)					
☐ Description of remediation activities					
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.				
Signature:	Date:				
email:	Telephone:				
OCD Only					
Received by:	Date:				
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.					
Closure Approved by:	Date:				
Printed Name:	Title:				

#### **Ashton Thielke**

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

Sent: Wednesday, January 10, 2024 9:54 AM

To: Ashton Thielke Cc: Laci Luig

Subject: RE: [EXTERNAL] NAB1720537352 - DA VINCI 7 FEDERAL COM #002H - Variance

Request (19.15.29.12.D.1.A-C)

**WARNING:** This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Ashton,

The variance request for NAB1720537352 - DA VINCI 7 FEDERAL COM #002H is approved.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at <a href="https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/">https://www.emnrd.nm.gov/ocd/ocd-forms/</a>. or <a href="https://www.emnrd.nm.gov/ocd/ocd-forms/">https://www.emnrd.nm.gov/ocd/ocd-forms/</a>.

From: Ashton Thielke < Ashton. Thielke@coterra.com>

Sent: Monday, January 8, 2024 9:27 AM

To: Hall, Brittany, EMNRD < Brittany. Hall@emnrd.nm.gov>

Cc: Laci Luig <Laci.Luig@coterra.com>

Subject: [EXTERNAL] NAB1720537352 - DA VINCI 7 FEDERAL COM #002H - Variance Request (19.15.29.12.D.1.A-C)

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

Good morning Brittany,

Cimarex Energy Co. is requesting a variance to NMAC 19.15.29.12.D.1.A-C for the above mentioned spill incident from 2017.

A desktop review was conducted to look for evidence of any remediation activities, but due to the age of this spill, no evidence was found internally. (invoices, photographs, facility notes, personal email files)

An environmental consultant was recently (11.20.2023) tasked with vertically and horizontally delineating the historical spill area to see if any impact may remain onsite from possible historical remediation efforts. The result of the site assessment was that all soil samples collected have concentrations below remediation and reclamation standards found on Table I of 19.15.29.12 NMAC.

Details of the site assessment and findings will be found in the closure report.

Due to the age of the spill and possibility of this remediation taking place before the implementation of the new spill rule defined in 19.15.29.1-16, a variance is requested to NMAC 19.15.29.12.D.1.A-C.

- A. No 2 business day notification for final sampling due to current rule implementation occurring after possible site remediation
- B. No composite or grab sample plan submitted due to current rule implementation occurring after possible site remediation
- C. No 200 square foot composite sampling due to current rule implementation occurring after possible site remediation

The variance is requested due to remediation taking place before the current rule was implemented and due to the condition of the site currently, contoured to natural grade with evidence of vegetation throughout the entire area.

This email and correspondence will be attached in the final closure report, which will be submitted following your response.

Please feel free to give me a call if you have any questions.

Thanks,



Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | Ashton.Thielke@coterra.com | www.coterra.com
Coterra Energy Inc. | 6001 Deauville Blvd., Suite 300N | Midland, TX 79706

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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# **APPENDIX IV**

# **SAMPLE POINT PHOTOGRAPHS**



**S-1** 





S-3



**S-4** 



S-5



H-1



H-2



H-3



H-4



H-5



H-6

# **SPILL AREA PHOTOGRAPHS**





# **APPENDIX V**

# LABORATORY REPORTS

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Michael Collier H & R Enterprises 5120 W Kansas St Hobbs, New Mexico 88242

Generated 11/30/2023 2:40:46 PM

# **JOB DESCRIPTION**

Davinci 7 Fed Com #002H (DFC #2) Eddy County NM

# **JOB NUMBER**

890-5669-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

# **Eurofins Carlsbad**

# **Job Notes**

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

# **Authorization**

Generated 11/30/2023 2:40:46 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Laboratory Job ID: 890-5669-1 Client: H & R Enterprises Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

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## **Definitions/Glossary**

Job ID: 890-5669-1 Client: H & R Enterprises Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**HPLC/IC** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**Glossary** 

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** 

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

**PQL Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

Relative Percent Difference, a measure of the relative difference between two points **RPD** 

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ** 

**TNTC** Too Numerous To Count

Job ID: 890-5669-1

#### Case Narrative

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Job ID: 890-5669-1

**Laboratory: Eurofins Carlsbad** 

Narrative

Job Narrative 890-5669-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 11/21/2023 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S - 1 0-1' (890-5669-1), S - 1 2'R (890-5669-2), S - 2 0-1' (890-5669-3), S - 2 2'R (890-5669-4), S - 3 0-1'R (890-5669-5), S - 4 0-1'R (890-5669-6), S - 5 0-1'R (890-5669-7), H - 1 0-1' (890-5669-8), H - 2 0-1' (890-5669-9), H - 3 0-1' (890-5669-10), H - 4 0-1' (890-5669-11), H - 5 0-1' (890-5669-12) and H - 6 0-1' (890-5669-13).

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67907 and analytical batch 880-67899 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67907 and analytical batch 880-67899 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S - 1 0-1' (890-5669-1), S - 1 2'R (890-5669-2), S - 2 0-1' (890-5669-3), S - 2 2'R (890-5669-4) and H - 1 0-1' (890-5669-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

## **Client Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

Lab Sample ID: 890-5669-1

Matrix: Solid

Job ID: 890-5669-1

Client Sample ID: S - 1 0-1' Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/29/23 10:24	11/29/23 17:44	1
1,4-Difluorobenzene (Surr)	139	S1+	70 - 130				11/29/23 10:24	11/29/23 17:44	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mathadi CW04C 004E NM Diaga									
		ice (DDO) ((	2C)						
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (0 Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 11/27/23 20:38	
Analyte	Result   <49.6	Qualifier U	49.6	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <49.6  sel Range Orga Result	Qualifier Unics (DRO) Qualifier	49.6			<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: SW846 8015B NM - Dies	Result <49.6  sel Range Orga Result	Qualifier U	RL 49.6		mg/Kg	=	<u> </u>	11/27/23 20:38	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.6  sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	RL 49.6 (GC)		mg/Kg	=	Prepared	11/27/23 20:38  Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.6  sel Range Orga Result <49.6	Qualifier U  nics (DRO) Qualifier U	(GC) RL 49.6		mg/Kg  Unit mg/Kg	=	Prepared 11/27/23 13:23	11/27/23 20:38  Analyzed  11/27/23 20:38	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <49.6	Qualifier U  nics (DRO) Qualifier U  U	RL 49.6  (GC)  RL 49.6  49.6		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 11/27/23 13:23 11/27/23 13:23	11/27/23 20:38  Analyzed  11/27/23 20:38  11/27/23 20:38	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result   <49.6	Qualifier U  nics (DRO) Qualifier U  U	RL 49.6  (GC)  RL 49.6  49.6  49.6		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23	Analyzed 11/27/23 20:38  Analyzed 11/27/23 20:38 11/27/23 20:38 11/27/23 20:38	Dil Face  1  1  Dil Face
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result   <49.6	Qualifier U  nics (DRO) Qualifier U  U	RL 49.6  (GC)  RL 49.6  49.6  49.6  Limits		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared	Analyzed 11/27/23 20:38  Analyzed 11/27/23 20:38 11/27/23 20:38 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <49.6	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.6  (GC)  RL 49.6  49.6  49.6  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared 11/27/23 13:23	Analyzed 11/27/23 20:38  Analyzed 11/27/23 20:38  11/27/23 20:38  Analyzed 11/27/23 20:38	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <49.6	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.6  (GC)  RL 49.6  49.6  49.6  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg	=	Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared 11/27/23 13:23	Analyzed 11/27/23 20:38  Analyzed 11/27/23 20:38  11/27/23 20:38  Analyzed 11/27/23 20:38	Dil Fac  Dil Fac  Dil Fac  Dil Fac  Dil Fac

Client Sample ID: S - 1 2'R

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 2'R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130				11/29/23 10:24	11/29/23 18:04	

**Eurofins Carlsbad** 

Lab Sample ID: 890-5669-2

Matrix: Solid

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Client Sample ID: S - 1 2'R

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 2'R

Lab Sample ID: 890-5669-2

Lab Sample ID: 890-5669-3

**Matrix: Solid** 

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 1,4-Difluorobenzene (Surr)
 125
 70 - 130
 11/29/23 10:24
 11/29/23 18:04
 1

**Method: TAL SOP Total BTEX - Total BTEX Calculation** 

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00401</td>
 U
 0.00401
 mg/Kg
 11/29/23 18:04
 1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Factor

 Total TPH
 <50.3</td>
 U
 50.3
 mg/Kg
 11/27/23 21:40
 1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

**MDL** Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <50.3 U 50.3 mg/Kg Gasoline Range Organics 11/27/23 13:23 11/27/23 21:40 (GRO)-C6-C10 <50.3 U 50.3 11/27/23 13:23 11/27/23 21:40 Diesel Range Organics (Over mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.3 U 50.3 mg/Kg 11/27/23 13:23 11/27/23 21:40

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 114 70 - 130 11/27/23 13:23 11/27/23 21:40 11/27/23 21:40 106 70 - 130 11/27/23 13:23 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 89.8
 5.00
 mg/Kg
 11/28/23 19:00
 1

Client Sample ID: S - 2 0-1'

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 0.00199 mg/Kg 11/29/23 10:24 11/29/23 18:25 Toluene <0.00199 U 0.00199 11/29/23 10:24 11/29/23 18:25 mg/Kg Ethylbenzene <0.00199 U 0.00199 11/29/23 10:24 11/29/23 18:25 mg/Kg 11/29/23 18:25 m-Xylene & p-Xylene <0.00398 U 0.00398 11/29/23 10:24 mg/Kg o-Xylene <0.00199 U 0.00199 mg/Kg 11/29/23 10:24 11/29/23 18:25 Xylenes, Total <0.00398 U 0.00398 mg/Kg 11/29/23 10:24 11/29/23 18:25 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 4-Bromofluorobenzene (Surr)
 149
 S1+
 70 - 130
 11/29/23 10:24
 11/29/23 18:25
 1

 1,4-Difluorobenzene (Surr)
 86
 70 - 130
 11/29/23 10:24
 11/29/23 18:25
 1

Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 <0.00398</td>
 U
 0.00398
 mg/Kg
 11/29/23 18:25
 11

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

**Eurofins Carlsbad** 

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## **Client Sample Results**

Client: H & R Enterprises

Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Client Sample ID: S - 2 0-1'

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Lab Sample ID: 890-5669-3 Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac D Prepared <50.5 U 50.5 11/27/23 13:23 11/27/23 22:01 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.5 11/27/23 22:01 Diesel Range Organics (Over <50.5 U mg/Kg 11/27/23 13:23 C10-C28) Oll Range Organics (Over C28-C36) <50.5 U 50.5 mg/Kg 11/27/23 13:23 11/27/23 22:01 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 70 - 130 11/27/23 13:23 11/27/23 22:01 96 o-Terphenyl 91 70 - 130 11/27/23 13:23 11/27/23 22:01 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Prepared Analyte Result Qualifier RL MDL Unit D Dil Fac Analyzed Chloride 108 4.96 mg/Kg 11/28/23 19:06 Lab Sample ID: 890-5669-4

Client Sample ID: S - 2 2'R Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 2'R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
Toluene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/29/23 10:24	11/29/23 18:45	1
1,4-Difluorobenzene (Surr)	148	S1+	70 - 130				11/29/23 10:24	11/29/23 18:45	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/29/23 18:45	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/27/23 22:22	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/27/23 22:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/27/23 22:22	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/27/23 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				11/27/23 13:23	11/27/23 22:22	1

**Eurofins Carlsbad** 

**Matrix: Solid** 

Matrix: Solid

## **Client Sample Results**

Client: H & R Enterprises

Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Lab Sample ID: 890-5669-4

Client Sample ID: S - 2 2'R

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 2'R

١	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	105		5.01		mg/Kg			11/28/23 19:12	1

Client Sample ID: S - 3 0-1'R Lab Sample ID: 890-5669-5 Matrix: Solid

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 19:06	
Toluene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 19:06	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 19:06	,
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 19:06	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 19:06	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 19:06	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		70 - 130				11/29/23 10:24	11/29/23 19:06	
1,4-Difluorobenzene (Surr)	109		70 - 130				11/29/23 10:24	11/29/23 19:06	:
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/29/23 19:06	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<46.3	U	46.3		mg/Kg			11/27/23 22:44	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics GRO)-C6-C10	<46.3	U	46.3		mg/Kg		11/27/23 13:23	11/27/23 22:44	1
Diesel Range Organics (Over C10-C28)	<46.3	U	46.3		mg/Kg		11/27/23 13:23	11/27/23 22:44	1
Oll Range Organics (Over C28-C36)	<46.3	U	46.3		mg/Kg		11/27/23 13:23	11/27/23 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/27/23 13:23	11/27/23 22:44	
o-Terphenyl	103		70 - 130				11/27/23 13:23	11/27/23 22:44	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
- analyto	rtoouit				•	_		,u., _ u	

## **Client Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Lab Sample ID: 890-5669-6

Matrix: Solid

Job ID: 890-5669-1

SDG: Eddy County NM

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Client Sample ID: S - 4 0-1'R

Sample Depth: 0-1'R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/29/23 10:24	11/29/23 19:26	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/29/23 10:24	11/29/23 19:26	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/29/23 19:26	1
Method: SW846 8015 NM - Diese	d Pango Organ	ice (DPO) ((	3C)						
Method. 344040 0013 MM - Diese	i Kange Organ								
Analyte	Result	, , ,	•	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result <49.6	Qualifier	RL 49.6	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed 11/27/23 23:05	
Analyte Total TPH		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared		
Total TPH	<49.6	Qualifier U	49.6	MDL		<u>D</u>	Prepared		
	<49.6	Qualifier U	49.6			<u>D</u>	Prepared Prepared		1
Total TPH  Method: SW846 8015B NM - Dies Analyte	<49.6	Qualifier Unics (DRO) Qualifier	RL 49.6		mg/Kg			11/27/23 23:05	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10	<49.6 sel Range Orga Result <49.6	Qualifier U  nics (DRO) Qualifier U	RL 49.6  (GC) RL 49.6		mg/Kg  Unit mg/Kg		Prepared 11/27/23 13:23	11/27/23 23:05  Analyzed  11/27/23 23:05	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	RL 49.6 (GC)		mg/Kg		Prepared	11/27/23 23:05  Analyzed	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.6 sel Range Orga Result <49.6 <49.6	Qualifier U  nics (DRO) Qualifier U	RL 49.6  (GC) RL 49.6  49.6		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23	11/27/23 23:05  Analyzed  11/27/23 23:05  11/27/23 23:05	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.6 sel Range Orga Result <49.6	Qualifier U  nics (DRO) Qualifier U	RL 49.6  (GC) RL 49.6		mg/Kg  Unit mg/Kg		Prepared 11/27/23 13:23	11/27/23 23:05  Analyzed  11/27/23 23:05	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.6 sel Range Orga Result <49.6 <49.6 <49.6 %Recovery	Qualifier U  nics (DRO) Qualifier U	RL 49.6  (GC) RL 49.6 49.6 49.6 Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23	11/27/23 23:05  Analyzed  11/27/23 23:05  11/27/23 23:05	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.6  sel Range Orga Result <49.6 <49.6 <49.6	Qualifier U  nics (DRO) Qualifier U  U	RL 49.6  (GC)  RL 49.6  49.6  49.6		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23	Analyzed 11/27/23 23:05  Analyzed 11/27/23 23:05 11/27/23 23:05	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	<49.6 sel Range Orga Result <49.6 <49.6 <49.6 %Recovery	Qualifier U  nics (DRO) Qualifier U  U	RL 49.6  (GC) RL 49.6 49.6 49.6 Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared	Analyzed 11/27/23 23:05  Analyzed 11/27/23 23:05 11/27/23 23:05 11/27/23 23:05 Analyzed	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<49.6 sel Range Orga Result <49.6 <49.6 <49.6 %Recovery 98 91	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.6  (GC)  RL 49.6  49.6  49.6  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared 11/27/23 13:23	Analyzed 11/27/23 23:05  Analyzed 11/27/23 23:05  11/27/23 23:05  Analyzed 11/27/23 23:05	1 Dil Fac 1 1 1 Dil Fac 2 1
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	\$\sel \text{Range Orga} \text{Result}  <49.6 <49.6 <49.6 <49.6 <8ecovery 98 91 Chromatograp	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 49.6  (GC)  RL 49.6  49.6  49.6  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared 11/27/23 13:23	Analyzed 11/27/23 23:05  Analyzed 11/27/23 23:05  11/27/23 23:05  Analyzed 11/27/23 23:05	

Client Sample ID: S - 5 0-1'R

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 0-1'R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/29/23 10:24	11/29/23 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/29/23 10:24	11/29/23 19:47	1

**Eurofins Carlsbad** 

Lab Sample ID: 890-5669-7

**Matrix: Solid** 

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Client Sample ID: S - 5 0-1'R

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'R

Lab Sample ID: 890-5669-7

Lab Sample ID: 890-5669-8

**Matrix: Solid** 

**Matrix: Solid** 

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 4-Difluorobenzene (Surr)	116	70 - 130	11/29/23 10:24	11/29/23 19:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	ma/Ka			11/29/23 19:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		ma/Ka			11/27/23 23:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/27/23 13:23	11/27/23 23:25	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/27/23 13:23	11/27/23 23:25	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/27/23 13:23	11/27/23 23:25	1
0	0/ 0	O!!#:	1 :				D	A I I	D# 5

Surrogate	%Recovery	Qualifier L	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115	7	70 <sub>-</sub> 130	11/27/23 13:23	11/27/23 23:25	1
o-Terphenyl	110	7	70 - 130	11/27/23 13:23	11/27/23 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	ס	Prepared	Analyzed	Dil Fac
Chloride	93.2		5.04		mg/Kg			11/28/23 19:29	1

Client Sample ID: H - 1 0-1'

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Denth: 0-1'

Sample Depth. 0-1		

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				11/29/23 10:24	11/29/23 20:07	1
1,4-Difluorobenzene (Surr)	162	S1+	70 - 130				11/29/23 10:24	11/29/23 20:07	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII Fac
4-Bromofluorobenzene (Surr)	120	70 - 130	11/29/23 10:24	11/29/23 20:07	1
1,4-Difluorobenzene (Surr)	162 S1+	70 - 130	11/29/23 10:24	11/29/23 20:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 L	J	0.00401		ma/Ka			11/29/23 20:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/27/23 23:47	1

# **Client Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Client Sample ID: H - 1 0-1'

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Lab Sample ID: 890-5669-8 Matrix: Solid

Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.5	U	50.5		mg/Kg		11/27/23 13:23	11/27/23 23:47	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.5	U	50.5		mg/Kg		11/27/23 13:23	11/27/23 23:47	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/27/23 13:23	11/27/23 23:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				11/27/23 13:23	11/27/23 23:47	1
o-Terphenyl	95		70 - 130				11/27/23 13:23	11/27/23 23:47	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

5.01 Chloride 125 mg/Kg 11/28/23 19:45 Client Sample ID: H - 2 0-1' Lab Sample ID: 890-5669-9

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
Toluene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/29/23 10:24	11/29/23 20:28	1
1,4-Difluorobenzene (Surr)	120		70 - 130				11/29/23 10:24	11/29/23 20:28	1
	~U UU308	11	0.00308		ma/Ka			11/20/23 20.28	- 1
Total BTEX  Method: SW846 8015 NM - Diese Analyte	•		0.00398 GC)	MDL	mg/Kg Unit	D	Prepared	11/29/23 20:28  Analyzed	
Thethod: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (C	GC)	MDL		<u>D</u>	Prepared	11/29/23 20:28  Analyzed  11/28/23 00:08	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.4 sel Range Organ	ics (DRO) (Gualifier	GC) RL 50.4		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.4 sel Range Organ	Qualifier Unics (DRO) Qualifier	GC)  RL  50.4		Unit mg/Kg			Analyzed 11/28/23 00:08	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.4 sel Range Organ Result	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U	GC)  RL  50.4  (GC)  RL		Unit mg/Kg		Prepared	Analyzed  11/28/23 00:08  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.4  sel Range Orga Result <50.4	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U	GC)  RL 50.4  (GC)  RL 50.4		Unit mg/Kg  Unit mg/Kg		Prepared 11/27/23 13:23	Analyzed 11/28/23 00:08  Analyzed 11/28/23 00:08	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.4  sel Range Orga Result <50.4 <50.4	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC)  RL 50.4  (GC)  RL 50.4  50.4		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23	Analyzed 11/28/23 00:08  Analyzed 11/28/23 00:08 11/28/23 00:08	Dil Fac  Dil Fac  1  Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.4  sel Range Orga Result <50.4 <50.4	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U  U	GC) RL 50.4  (GC) RL 50.4  50.4  50.4		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23	Analyzed 11/28/23 00:08  Analyzed 11/28/23 00:08 11/28/23 00:08 11/28/23 00:08	<b>Dil Fac</b> 1

**Eurofins Carlsbad** 

**Matrix: Solid** 

## **Client Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

Client Sample ID: H - 2 0-1'

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Lab Sample ID: 890-5669-9

Matrix: Solid

Job ID: 890-5669-1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	119		5.03		mg/Kg			11/28/23 19:51	1

Client Sample ID: H - 3 0-1' Lab Sample ID: 890-5669-10 **Matrix: Solid** 

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/29/23 10:24	11/29/23 20:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/29/23 10:24	11/29/23 20:48	1
1,4-Difluorobenzene (Surr)	113		70 - 130				11/29/23 10:24	11/29/23 20:48	1

	Analyte	Result	Qualifier	RL	MDL I	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00396	U	0.00396	1	mg/Kg			11/29/23 20:48	1
	 Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (0	GC)						

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.2	U	50.2		mg/Kg			11/28/23 00:30	1
í	_									

Method: SW846 8015B NM - Dies	d: SW846 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/27/23 13:23	11/28/23 00:30	1			
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/27/23 13:23	11/28/23 00:30	1			
Oll Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/27/23 13:23	11/28/23 00:30	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
1-Chlorooctane	112		70 - 130				11/27/23 13:23	11/28/23 00:30	1			
o-Terphenyl	106		70 - 130				11/27/23 13:23	11/28/23 00:30	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualit	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	104	5.01	mg/k	(g		11/28/23 20:08	1	

Client Sample ID: H - 4 0-1'

Date Collected: 11/20/23 00:00

## **Client Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Lab Sample ID: 890-5669-11

Matrix: Solid

Job ID: 890-5669-1

SDG: Eddy County NM

Date Received: 11/21/23 08:00 Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 22:39	
Toluene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 22:39	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 22:39	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 22:39	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		11/29/23 10:24	11/29/23 22:39	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/29/23 10:24	11/29/23 22:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87		70 - 130				11/29/23 10:24	11/29/23 22:39	
1,4-Difluorobenzene (Surr)	100		70 - 130				11/29/23 10:24	11/29/23 22:39	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/29/23 22:39	•
Total BTEX : Method: SW846 8015 NM - Diese Analyte	el Range Organ			MDL		D	Prepared	11/29/23 22:39  Analyzed	Dil Fa
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		Dil Fa
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <49.7	ics (DRO) (Gualifier	GC) RL 49.7	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <a href="#">&lt;49.7</a> sel Range Organ	ics (DRO) (Gualifier	GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics	el Range Organ Result <a href="#">&lt;49.7</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)		Unit mg/Kg		<u> </u>	Analyzed 11/28/23 01:12	
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <a href="#">&lt;49.7</a> <a href="#">sel Range Organ</a> Result	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U	RL 49.7 (GC)		Unit mg/Kg Unit		Prepared	Analyzed 11/28/23 01:12 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">49.7</a>	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U	(GC)  RL 49.7  (GC)  RL 49.7		Unit mg/Kg  Unit mg/Kg		Prepared 11/27/23 13:23	Analyzed  11/28/23 01:12  Analyzed  11/28/23 01:12	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result 49.7 sel Range Orga Result  49.7	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U  U	GC)  RL 49.7  (GC)  RL 49.7  49.7		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23	Analyzed 11/28/23 01:12  Analyzed 11/28/23 01:12 11/28/23 01:12	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	el Range Organ Result <49.7  sel Range Orga Result <49.7  <49.7  <49.7	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U  U	GC) RL 49.7  (GC) RL 49.7  49.7  49.7		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23	Analyzed 11/28/23 01:12  Analyzed 11/28/23 01:12 11/28/23 01:12 11/28/23 01:12	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <49.7  sel Range Orga Result <49.7  <49.7  <49.7  %Recovery	ics (DRO) (( Qualifier U  nics (DRO) Qualifier U  U	GC) RL 49.7  (GC) RL 49.7  49.7  49.7  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared	Analyzed 11/28/23 01:12  Analyzed 11/28/23 01:12 11/28/23 01:12 11/28/23 01:12 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	el Range Organ Result <49.7  sel Range Orga Result <49.7  <49.7  <49.7  <49.7  %Recovery  96 90	ics (DRO) ((Qualifier U)  nics (DRO) Qualifier U  U  Qualifier	GC)  RL 49.7  (GC)  RL 49.7  49.7  49.7  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 11/27/23 13:23 11/27/23 13:23 11/27/23 13:23 Prepared 11/27/23 13:23	Analyzed 11/28/23 01:12  Analyzed 11/28/23 01:12 11/28/23 01:12 11/28/23 01:12  Analyzed 11/28/23 01:12	Dil Fa

Client Sample ID: H - 5 0-1'

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/29/23 10:24	11/29/23 22:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 _ 130				11/29/23 10:24	11/29/23 22:59	1

5.05

126

mg/Kg

**Eurofins Carlsbad** 

11/28/23 20:14

Matrix: Solid

Lab Sample ID: 890-5669-12

Client Sample ID: H - 5 0-1'

Lab Sample ID: 890-5669-12

Lab Sample ID: 890-5669-13

**Matrix: Solid** 

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Matrix: Solid

Sample Depth: 0-1'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	11/29/23 10:24	11/29/23 22:59	1

#### **Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/29/23 22:59	1

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/28/23 01:33	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/27/23 13:23	11/28/23 01:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/27/23 13:23	11/28/23 01:33	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/27/23 13:23	11/28/23 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97	70 - 130	11/27/23 13:23	11/28/23 01:33	1
o-Terphenyl	91	70 - 130	11/27/23 13:23	11/28/23 01:33	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.1		5.02		mg/Kg			11/28/23 20:19	1

Client Sample ID: H - 6 0-1'

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Sample Depth: 0-1'

 Mathad.	CIMO 4C	0024D	Valatila Ossania	Compounds (GC)
viernoa:	SVVA4n	AUZID .	· voiatile Organic	: Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/29/23 10:24	11/29/23 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				11/29/23 10:24	11/29/23 23:19	1
1,4-Difluorobenzene (Surr)	108		70 - 130				11/29/23 10:24	11/29/23 23:19	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00401	U	0.00401	mg/Kg			11/29/23 23:19	1

#### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			11/28/23 01:55	1

# **Client Sample Results**

Client: H & R Enterprises Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Client Sample ID: H - 6 0-1'

Lab Sample ID: 890-5669-13 Date Collected: 11/20/23 00:00 Matrix: Solid Date Received: 11/21/23 08:00

Sample Depth: 0-1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/28/23 01:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/28/23 01:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/23 13:23	11/28/23 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				11/27/23 13:23	11/28/23 01:55	1
o-Terphenyl	93		70 - 130				11/27/23 13:23	11/28/23 01:55	1

Prepared Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac 5.05 11/28/23 20:25 Chloride 116 mg/Kg

## **Surrogate Summary**

Client: H & R Enterprises Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

<b>Lab Sample ID</b> 890-5669-1 890-5669-1 MS 890-5669-1 MSD	S - 1 0-1'	(70-130)	DFBZ1 (70-130)	
890-5669-1 890-5669-1 MS	<u>.</u>	<u> </u>	(70-130)	
890-5669-1 MS	S - 1 0-1'		100.01	
		98	139 S1+	
890-5669-1 MSD	S - 1 0-1'	104	108	
	S - 1 0-1'	112	96	
890-5669-2	S - 1 2'R	185 S1+	125	
890-5669-3	S - 2 0-1'	149 S1+	86	
890-5669-4	S-2 2'R	104	148 S1+	
890-5669-5	S - 3 0-1'R	97	109	
890-5669-6	S - 4 0-1'R	97	105	
890-5669-7	S - 5 0-1'R	98	116	
890-5669-8	H - 1 0-1'	120	162 S1+	
890-5669-9	H - 2 0-1'	104	120	
890-5669-10	H - 3 0-1'	103	113	
890-5669-11	H - 4 0-1'	87	100	
890-5669-12	H - 5 0-1'	102	108	
890-5669-13	H - 6 0-1'	109	108	
LCS 880-67907/1-A	Lab Control Sample	86	106	
LCSD 880-67907/2-A	Lab Control Sample Dup	88	101	
MB 880-67907/5-A	Method Blank	101	138 S1+	

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5669-1	S - 1 0-1'	88	85	
890-5669-1 MS	S - 1 0-1'	95	83	
890-5669-1 MSD	S - 1 0-1'	96	82	
890-5669-2	S - 1 2'R	114	106	
890-5669-3	S - 2 0-1'	96	91	
890-5669-4	S - 2 2'R	96	91	
890-5669-5	S - 3 0-1'R	110	103	
890-5669-6	S - 4 0-1'R	98	91	
890-5669-7	S - 5 0-1'R	115	110	
890-5669-8	H - 1 0-1'	103	95	
890-5669-9	H - 2 0-1'	98	92	
890-5669-10	H - 3 0-1'	112	106	
890-5669-11	H - 4 0-1'	96	90	
890-5669-12	H - 5 0-1'	97	91	
890-5669-13	H - 6 0-1'	99	93	
LCS 880-67746/2-A	Lab Control Sample	118	119	
LCSD 880-67746/3-A	Lab Control Sample Dup	90	94	
MB 880-67746/1-A	Method Blank	101	105	

OTPH = o-Terphenyl

## **QC Sample Results**

Client: H & R Enterprises Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67907/5-A

**Matrix: Solid** Analysis Batch: 67899 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67907

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/29/23 10:24	11/29/23 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/23 10:24	11/29/23 17:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/29/23 10:24	11/29/23 17:15	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	11/29/23 10:2	24 11/29/23 17:15	1
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130	11/29/23 10:2	24 11/29/23 17:15	1

Lab Sample ID: LCS 880-67907/1-A

Matrix: Solid

Analysis Batch: 67899

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 67907

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08364		mg/Kg		84	70 - 130	
Toluene	0.100	0.08172		mg/Kg		82	70 - 130	
Ethylbenzene	0.100	0.07370		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	0.200	0.1640		mg/Kg		82	70 - 130	
o-Xylene	0.100	0.08002		mg/Kg		80	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-67907/2-A

**Matrix: Solid** 

Analysis Batch: 67899

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA Prep Batch: 67907

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.08388 mg/Kg 84 70 - 130 0 35 Toluene 0.100 0.07696 mg/Kg 77 70 - 130 35 Ethylbenzene 0.100 0.07429 mg/Kg 74 70 - 130 35 0.200 m-Xylene & p-Xylene 0.1578 mg/Kg 79 70 - 130 35 0.100 0.07676 70 - 130 o-Xylene mg/Kg 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1.4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-5669-1 MS

**Matrix: Solid** 

Analysis Batch: 67899

Client Sample ID: S - 1 0-1'

Prep Type: Total/NA

Prep Batch: 67907

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0996	0.06867	F1	mg/Kg		69	70 - 130	
Toluene	< 0.00200	U F1	0.0996	0.05365	F1	mg/Kg		54	70 - 130	

## **QC Sample Results**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-5669-1 MS

Lab Sample ID: 890-5669-1 MSD

**Matrix: Solid** 

**Matrix: Solid** 

Analysis Batch: 67899

Client Sample ID: S - 1 0-1'

Prep Type: Total/NA

Prep Batch: 67907

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F1	0.0996	0.05484	F1	mg/Kg		55	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1452		mg/Kg		73	70 - 130	
o-Xylene	<0.00200	U	0.0996	0.07326		mg/Kg		74	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Client Sample ID: S - 1 0-1'

Prep Type: Total/NA

Prep Batch: 67907

Analysis Batch: 67899									Prep	Batch:	67907
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.0994	0.07184		mg/Kg		72	70 - 130	5	35
Toluene	<0.00200	U F1	0.0994	0.06955		mg/Kg		70	70 - 130	26	35
Ethylbenzene	<0.00200	U F1	0.0994	0.07211		mg/Kg		73	70 - 130	27	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1683		mg/Kg		85	70 - 130	15	35
o-Xylene	<0.00200	U	0.0994	0.08152		mg/Kg		82	70 - 130	11	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-67746/1-A

**Matrix: Solid** 

Analysis Batch: 67686

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 67746

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/27/23 13:22	11/27/23 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/27/23 13:22	11/27/23 19:36	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/27/23 13:22	11/27/23 19:36	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	l Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	11/27/23 13	:22 11/27/23 19:36	1
o-Terphenyl	105		70 - 130	11/27/23 13	:22 11/27/23 19:36	1

Lab Sample ID: LCS 880-67746/2-A

**Matrix: Solid** 

Analysis Batch: 67686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 67746

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	975.0		mg/Kg		98	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	986.8		mg/Kg		99	70 - 130	
C10-C28)								

Client: H & R Enterprises

Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

LCS LCS

Lab Sample ID: LCS 880-67746/2-A

**Matrix: Solid** 

Analysis Batch: 67686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67746

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 118 70 - 130 o-Terphenyl 119 70 - 130

Lab Sample ID: LCSD 880-67746/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 67686

Prep Type: Total/NA

Prep Batch: 67746

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 868.5 87 70 - 130 12 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 900.2 90 mg/Kg 70 - 1309 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 90 70 - 130 1-Chlorooctane o-Terphenyl 94 70 - 130

Lab Sample ID: 890-5669-1 MS Client Sample ID: S - 1 0-1

**Matrix: Solid** 

**Analysis Batch: 67686** 

Prep Type: Total/NA

Prep Batch: 67746

	Sample S	Sample	Spike	MS	MS				%Rec
Analyte	Result C	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6 U	J	997	767.8		mg/Kg		73	70 - 130
Diesel Range Organics (Over	<49.6 U	J	997	735.8		mg/Kg		71	70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 95 o-Terphenyl 83 70 - 130

Lab Sample ID: 890-5669-1 MSD Client Sample ID: S - 1 0-1'

**Matrix: Solid** 

Analysis Batch: 67686

Prep Type: Total/NA

Prep Batch: 67746

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.6	U	997	780.3		mg/Kg		74	70 - 130	2	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.6	U	997	739.3		mg/Kg		72	70 - 130	0	20	
C10-C28)												

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	96	70 - 130
o-Terphenyl	82	70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

**Prep Type: Soluble** 

Client Sample ID: S - 5 0-1'R

Client Sample ID: S - 5 0-1'R

## QC Sample Results

Job ID: 890-5669-1 Client: H & R Enterprises Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67781/1-A

**Matrix: Solid** 

Analysis Batch: 67842

мв мв

Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 11/28/23 17:53

Lab Sample ID: LCS 880-67781/2-A

**Matrix: Solid** 

Analysis Batch: 67842

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 240.2 mg/Kg 96 90 - 110

Lab Sample ID: LCSD 880-67781/3-A

**Matrix: Solid** 

Analysis Batch: 67842

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 243.5 mg/Kg 90 - 110

Lab Sample ID: 890-5669-7 MS

**Matrix: Solid** 

Analysis Batch: 67842

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Result Qualifier Limits Chloride 93.2 252 341.4 98 90 - 110 mg/Kg

Lab Sample ID: 890-5669-7 MSD

**Matrix: Solid** 

Analysis Batch: 67842

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 252 Chloride 93.2 341.6 mg/Kg 99 90 - 110 0 20

Client: H & R Enterprises Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2) SDG: Eddy County NM

**GC VOA** 

Analysis Batch: 67899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Total/NA	Solid	8021B	67907
890-5669-2	S - 1 2'R	Total/NA	Solid	8021B	67907
890-5669-3	S - 2 0-1'	Total/NA	Solid	8021B	67907
890-5669-4	S-2 2'R	Total/NA	Solid	8021B	67907
890-5669-5	S - 3 0-1'R	Total/NA	Solid	8021B	67907
890-5669-6	S - 4 0-1'R	Total/NA	Solid	8021B	67907
890-5669-7	S - 5 0-1'R	Total/NA	Solid	8021B	67907
890-5669-8	H - 1 0-1'	Total/NA	Solid	8021B	67907
890-5669-9	H - 2 0-1'	Total/NA	Solid	8021B	67907
890-5669-10	H - 3 0-1'	Total/NA	Solid	8021B	67907
890-5669-11	H - 4 0-1'	Total/NA	Solid	8021B	67907
890-5669-12	H - 5 0-1'	Total/NA	Solid	8021B	67907
890-5669-13	H - 6 0-1'	Total/NA	Solid	8021B	67907
MB 880-67907/5-A	Method Blank	Total/NA	Solid	8021B	67907
LCS 880-67907/1-A	Lab Control Sample	Total/NA	Solid	8021B	67907
LCSD 880-67907/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67907
890-5669-1 MS	S - 1 0-1'	Total/NA	Solid	8021B	67907
890-5669-1 MSD	S - 1 0-1'	Total/NA	Solid	8021B	67907

Prep Batch: 67907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Total/NA	Solid	5035	
890-5669-2	S - 1 2'R	Total/NA	Solid	5035	
890-5669-3	S - 2 0-1'	Total/NA	Solid	5035	
890-5669-4	S-2 2'R	Total/NA	Solid	5035	
890-5669-5	S - 3 0-1'R	Total/NA	Solid	5035	
890-5669-6	S - 4 0-1'R	Total/NA	Solid	5035	
890-5669-7	S - 5 0-1'R	Total/NA	Solid	5035	
890-5669-8	H - 1 0-1'	Total/NA	Solid	5035	
890-5669-9	H - 2 0-1'	Total/NA	Solid	5035	
890-5669-10	H - 3 0-1'	Total/NA	Solid	5035	
890-5669-11	H - 4 0-1'	Total/NA	Solid	5035	
890-5669-12	H - 5 0-1'	Total/NA	Solid	5035	
890-5669-13	H - 6 0-1'	Total/NA	Solid	5035	
MB 880-67907/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67907/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67907/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5669-1 MS	S - 1 0-1'	Total/NA	Solid	5035	
890-5669-1 MSD	S - 1 0-1'	Total/NA	Solid	5035	

Analysis Batch: 68040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Total/NA	Solid	Total BTEX	·
890-5669-2	S - 1 2'R	Total/NA	Solid	Total BTEX	
890-5669-3	S - 2 0-1'	Total/NA	Solid	Total BTEX	
890-5669-4	S-2 2'R	Total/NA	Solid	Total BTEX	
890-5669-5	S - 3 0-1'R	Total/NA	Solid	Total BTEX	
890-5669-6	S - 4 0-1'R	Total/NA	Solid	Total BTEX	
890-5669-7	S - 5 0-1'R	Total/NA	Solid	Total BTEX	
890-5669-8	H - 1 0-1'	Total/NA	Solid	Total BTEX	
890-5669-9	H - 2 0-1'	Total/NA	Solid	Total BTEX	

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1 SDG: Eddy County NM

## **GC VOA (Continued)**

## Analysis Batch: 68040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-10	H - 3 0-1'	Total/NA	Solid	Total BTEX	
890-5669-11	H - 4 0-1'	Total/NA	Solid	Total BTEX	
890-5669-12	H - 5 0-1'	Total/NA	Solid	Total BTEX	
890-5669-13	H - 6 0-1'	Total/NA	Solid	Total BTEX	

## **GC Semi VOA**

## Analysis Batch: 67686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-2	S - 1 2'R	Total/NA	Solid	8015B NM	67746
890-5669-3	S - 2 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-4	S - 2 2'R	Total/NA	Solid	8015B NM	67746
890-5669-5	S - 3 0-1'R	Total/NA	Solid	8015B NM	67746
890-5669-6	S - 4 0-1'R	Total/NA	Solid	8015B NM	67746
890-5669-7	S - 5 0-1'R	Total/NA	Solid	8015B NM	67746
890-5669-8	H - 1 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-9	H - 2 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-10	H - 3 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-11	H - 4 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-12	H - 5 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-13	H - 6 0-1'	Total/NA	Solid	8015B NM	67746
MB 880-67746/1-A	Method Blank	Total/NA	Solid	8015B NM	67746
LCS 880-67746/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67746
LCSD 880-67746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67746
890-5669-1 MS	S - 1 0-1'	Total/NA	Solid	8015B NM	67746
890-5669-1 MSD	S - 1 0-1'	Total/NA	Solid	8015B NM	67746

#### Prep Batch: 67746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-2	S - 1 2'R	Total/NA	Solid	8015NM Prep	
890-5669-3	S - 2 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-4	S-2 2'R	Total/NA	Solid	8015NM Prep	
890-5669-5	S - 3 0-1'R	Total/NA	Solid	8015NM Prep	
890-5669-6	S - 4 0-1'R	Total/NA	Solid	8015NM Prep	
890-5669-7	S - 5 0-1'R	Total/NA	Solid	8015NM Prep	
390-5669-8	H - 1 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-9	H - 2 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-10	H - 3 0-1'	Total/NA	Solid	8015NM Prep	
390-5669-11	H - 4 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-12	H - 5 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-13	H - 6 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-67746/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67746/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67746/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
390-5669-1 MS	S - 1 0-1'	Total/NA	Solid	8015NM Prep	
890-5669-1 MSD	S - 1 0-1'	Total/NA	Solid	8015NM Prep	

**Eurofins Carlsbad** 

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Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

## GC Semi VOA

## Analysis Batch: 67825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-5669-1	S - 1 0-1'	Total/NA	Solid	8015 NM	
890-5669-2	S - 1 2'R	Total/NA	Solid	8015 NM	
890-5669-3	S - 2 0-1'	Total/NA	Solid	8015 NM	
890-5669-4	S - 2 2'R	Total/NA	Solid	8015 NM	
890-5669-5	S - 3 0-1'R	Total/NA	Solid	8015 NM	
890-5669-6	S - 4 0-1'R	Total/NA	Solid	8015 NM	
890-5669-7	S - 5 0-1'R	Total/NA	Solid	8015 NM	
890-5669-8	H - 1 0-1'	Total/NA	Solid	8015 NM	
890-5669-9	H - 2 0-1'	Total/NA	Solid	8015 NM	
890-5669-10	H - 3 0-1'	Total/NA	Solid	8015 NM	
890-5669-11	H - 4 0-1'	Total/NA	Solid	8015 NM	
890-5669-12	H - 5 0-1'	Total/NA	Solid	8015 NM	
890-5669-13	H - 6 0-1'	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 67781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Soluble	Solid	DI Leach	
890-5669-2	S - 1 2'R	Soluble	Solid	DI Leach	
890-5669-3	S - 2 0-1'	Soluble	Solid	DI Leach	
890-5669-4	S - 2 2'R	Soluble	Solid	DI Leach	
890-5669-5	S - 3 0-1'R	Soluble	Solid	DI Leach	
890-5669-6	S - 4 0-1'R	Soluble	Solid	DI Leach	
890-5669-7	S - 5 0-1'R	Soluble	Solid	DI Leach	
890-5669-8	H - 1 0-1'	Soluble	Solid	DI Leach	
890-5669-9	H - 2 0-1'	Soluble	Solid	DI Leach	
890-5669-10	H - 3 0-1'	Soluble	Solid	DI Leach	
890-5669-11	H - 4 0-1'	Soluble	Solid	DI Leach	
890-5669-12	H - 5 0-1'	Soluble	Solid	DI Leach	
890-5669-13	H - 6 0-1'	Soluble	Solid	DI Leach	
MB 880-67781/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67781/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67781/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5669-7 MS	S - 5 0-1'R	Soluble	Solid	DI Leach	
890-5669-7 MSD	S - 5 0-1'R	Soluble	Solid	DI Leach	

## Analysis Batch: 67842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-1	S - 1 0-1'	Soluble	Solid	300.0	67781
890-5669-2	S - 1 2'R	Soluble	Solid	300.0	67781
890-5669-3	S - 2 0-1'	Soluble	Solid	300.0	67781
890-5669-4	S-2 2'R	Soluble	Solid	300.0	67781
890-5669-5	S - 3 0-1'R	Soluble	Solid	300.0	67781
890-5669-6	S - 4 0-1'R	Soluble	Solid	300.0	67781
890-5669-7	S - 5 0-1'R	Soluble	Solid	300.0	67781
890-5669-8	H - 1 0-1'	Soluble	Solid	300.0	67781
890-5669-9	H - 2 0-1'	Soluble	Solid	300.0	67781
890-5669-10	H - 3 0-1'	Soluble	Solid	300.0	67781
890-5669-11	H - 4 0-1'	Soluble	Solid	300.0	67781
890-5669-12	H - 5 0-1'	Soluble	Solid	300.0	67781

Client: H & R Enterprises

Job ID: 890-5669-1

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

**HPLC/IC (Continued)** 

**Analysis Batch: 67842 (Continued)** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5669-13	H - 6 0-1'	Soluble	Solid	300.0	67781
MB 880-67781/1-A	Method Blank	Soluble	Solid	300.0	67781
LCS 880-67781/2-A	Lab Control Sample	Soluble	Solid	300.0	67781
LCSD 880-67781/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67781
890-5669-7 MS	S - 5 0-1'R	Soluble	Solid	300.0	67781
890-5669-7 MSD	S - 5 0-1'R	Soluble	Solid	300.0	67781

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## Lab Chronicle

Client: H & R Enterprises

Client Sample ID: S - 1 0-1'

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Soluble

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Analysis

300.0

SDG: Eddy County NM

Lab Sample ID: 890-5669-1

Matrix: Solid

Job ID: 890-5669-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 17:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 20:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 20:38	SM	EET MID
Soluble	Leach	DI Leach			4.95 q	50 mL	67781	11/27/23 17:15	SA	EET MID

Client Sample ID: S - 1 Lab Sample ID: 890-5669-2

50 mL

50 mL

67842

11/28/23 18:43

СН

Date Collected: 11/20/23 00:00 Matrix: Solid Date Received: 11/21/23 08:00

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.99 g 5 mL 67907 11/29/23 10:24 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 67899 11/29/23 18:04 MNR Total/NA Total BTEX 68040 11/29/23 18:04 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 67825 11/27/23 21:40 SM **EET MID** Total/NA 9.94 g 67746 Prep 8015NM Prep 10 mL 11/27/23 13:23 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 67686 11/27/23 21:40 SM **EET MID** Soluble Leach DI Leach 5.00 g 50 mL 67781 11/27/23 17:15 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 67842 11/28/23 19:00 СН **EET MID** 

Client Sample ID: S - 2 0-1' Lab Sample ID: 890-5669-3

Date Collected: 11/20/23 00:00 **Matrix: Solid** Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 18:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 22:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 22:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:06	CH	EET MID

Client Sample ID: S - 2 2'R Lab Sample ID: 890-5669-4

Date Collected: 11/20/23 00:00 **Matrix: Solid** Date Received: 11/21/23 08:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 18:45	SM	EET MID

**Eurofins Carlsbad** 

**EET MID** 

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Client Sample ID: S - 2 2'R

Date Received: 11/21/23 08:00

Client: H & R Enterprises

Lab Sample ID: 890-5669-4 Date Collected: 11/20/23 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67825	11/27/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 22:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:12	CH	EET MID

Client Sample ID: S - 3 0-1'R Lab Sample ID: 890-5669-5

Date Collected: 11/20/23 00:00 **Matrix: Solid** 

Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 19:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 19:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 22:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.8 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 22:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:17	CH	EET MID

Client Sample ID: S - 4 0-1'R Lab Sample ID: 890-5669-6

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 19:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 23:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 23:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:23	CH	EET MID

Client Sample ID: S - 5 0-1'R Lab Sample ID: 890-5669-7

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 19:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 19:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 23:25	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	9.94 g 1 uL	10 mL 1 uL	67746 67686	11/27/23 13:23 11/27/23 23:25	TKC SM	EET MID EET MID

**Eurofins Carlsbad** 

**Matrix: Solid** 

**Matrix: Solid** 

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1 SDG: Eddy County NM

Lab Sample ID: 890-5669-7

Client Sample ID: S - 5 0-1'R Date Collected: 11/20/23 00:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:29	CH	EET MID

Client Sample ID: H - 1 0-1' Lab Sample ID: 890-5669-8

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

Date Received: 11/21/23 08:00

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 20:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 20:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/27/23 23:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/27/23 23:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:45	CH	EET MID

Client Sample ID: H - 2 0-1' Lab Sample ID: 890-5669-9

Date Collected: 11/20/23 00:00 **Matrix: Solid** 

Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 20:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 20:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/28/23 00:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/28/23 00:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 19:51	CH	EET MID

Client Sample ID: H - 3 0-1' Lab Sample ID: 890-5669-10

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 20:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 20:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/28/23 00:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/28/23 00:30	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 20:08	CH	EET MID

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Client Sample ID: H - 4 0-1'

Lab Sample ID: 890-5669-11

**Matrix: Solid** 

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 22:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 22:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/28/23 01:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/28/23 01:12	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 20:14	CH	EET MID

Client Sample ID: H - 5 0-1'

Lab Sample ID: 890-5669-12

**Matrix: Solid** 

Date Collected: 11/20/23 00:00

Date Received: 11/21/23 08:00

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.01 g 5 mL 67907 11/29/23 10:24 MNR EET MID Total/NA 8021B 5 mL **EET MID** Analysis 1 5 mL 67899 11/29/23 22:59 MNR Total/NA Total BTEX 68040 11/29/23 22:59 Analysis 1 SM **EET MID** Total/NA Analysis 8015 NM 67825 11/28/23 01:33 SM **EET MID** Total/NA 67746 Prep 8015NM Prep 10.02 g 10 mL 11/27/23 13:23 TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 67686 11/28/23 01:33 SM **EET MID** Soluble Leach DI Leach 4.98 g 50 mL 67781 11/27/23 17:15 SA **EET MID** Soluble Analysis 300.0 50 mL 50 mL 67842 11/28/23 20:19 СН **EET MID** 

Client Sample ID: H - 6 0-1'

Lab Sample ID: 890-5669-13

Date Collected: 11/20/23 00:00 Date Received: 11/21/23 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67907	11/29/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67899	11/29/23 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68040	11/29/23 23:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			67825	11/28/23 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67746	11/27/23 13:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67686	11/28/23 01:55	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67781	11/27/23 17:15	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67842	11/28/23 20:25	CH	EET MID

**Laboratory References:** 

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

**Eurofins Carlsbad** 

**Matrix: Solid** 

# **Accreditation/Certification Summary**

Client: H & R Enterprises Job ID: 890-5669-1 Project/Site: Davinci 7 Fed Com #002H (DFC #2)

SDG: Eddy County NM

## **Laboratory: Eurofins Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		Identification Number	Expiration Date
Texas	NELA	Р	T104704400-23-26	06-30-24
,	are included in this report, bu	it the laboratory is not certi	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

## **Method Summary**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

7

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12

10

14

## Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

# **Sample Summary**

Client: H & R Enterprises

Project/Site: Davinci 7 Fed Com #002H (DFC #2)

Job ID: 890-5669-1

SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5669-1	S - 1 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-2	S - 1 2'R	Solid	11/20/23 00:00	11/21/23 08:00	2'R
890-5669-3	S - 2 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-4	S-2 2'R	Solid	11/20/23 00:00	11/21/23 08:00	2'R
890-5669-5	S - 3 0-1'R	Solid	11/20/23 00:00	11/21/23 08:00	0-1'R
890-5669-6	S - 4 0-1'R	Solid	11/20/23 00:00	11/21/23 08:00	0-1'R
890-5669-7	S-5 0-1'R	Solid	11/20/23 00:00	11/21/23 08:00	0-1'R
890-5669-8	H - 1 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-9	H - 2 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-10	H - 3 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-11	H - 4 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-12	H - 5 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'
890-5669-13	H - 6 0-1'	Solid	11/20/23 00:00	11/21/23 08:00	0-1'

Work Order No:\_

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

**Environment Testing** 

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Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

				Hobbs	, NM (575)	392-7550, Carlsb	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com	com Page 1 of 2
Project Manager:	M. CouleR			Bill to: (if different)		UCI LIVE	3	Work Orde	Work Order Comments
Company Name:	HAR ENTER PRISES	SES		Company Name:		COTERRA ENEPEY	ENEFET	Program: UST/PST   PRP	Brownfields ☐ RRC ☐ Superfund ☐
Address:				Address:				State of Project:	[
City, State ZIP:				City, State ZIP:				Reporting: Level    Level	PST/UST TRRP L Level IV
Phone:	575-909-0324	و	Email:					Deliverables: EDD	ADaPT ☐ Other:
Project Name:	DRUINCI TED CON TOBAH	M#CO3H	Turn /	Around			ANALYSIS REQUEST	EQUEST	Preservative Codes
Project Number:		DFC#2)	KRoutine	Rush	Pres. Code				None: NO DI Water: H <sub>2</sub> O
Project Location:	בחסת ככרותא	200	Due Date:				-		io
Sampler's Name:	K,Beu.		TAT starts the the lab, if rece	TAT starts the day received by the lab, if received by 4:30pm					HCL: HC HNO 3: HN H <sub>2</sub> SO 4: H <sub>2</sub>
SAMPLE RECEIPT	T Temp Blank:	Yes No	Wet Ice:	Yes No	srete				H <sub>3</sub> PO <sub>4</sub> : HP
Samples Received Intact:		Thermometer ID:	D:	TUMBO	mere		068	890-5669 Chain of Custody	NaHSO 4: NABIS
Cooler Custody Seals:	Ye	Correction Factor:	ctor:	6.22	24				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	als: Yes No (N/A)	Temperature Reading:	Reading:	26			301		Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature.	nperature:	9.4			20		NaOH+Ascorbic Acid: SAPC
		Date	TIme	Grab/	#of	10	17.14		Sample Comments
Sample Identification	ntincation	Sampled	Sampled	Comp	Cont	Z T	0		
1-0 1-5	7135	11-30,33		O-1 (-RAS	1	XXX			
S-1 21R				2'R 1	_				
1-0 K-5				1-0					
S.2 2'R				1/2					
1.0	R			0-1'R					
1-0 4-5	8			B.1.R					
5.5 0-17	2			01/12					
				0.1					
H-3 0-1				1-0					
H-3 D-1		_		0-1-0					
Total 200.7 / 6010 Circle Method(s) ar	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed		CRA 13PP TCLP/SI	8RCRA 13PPM Texas 11 / TCLP / SPLP 6010 : 8RC	AI Sb A RA Sb	s Ba Be B As Ba Be C	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo P TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO $_2$ Na Sr Tl Sn CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631/245.1/7470	ı Sr Tl Sn U V Zn 45.1 / 7470 / 7471
Notice: Signature of this d of service. Eurofins Xenco	locument and relinquishment of sam  vill be liable only for the cost of san	oples constitutes a variable and shall not a	illd purchase ord ssume any respo	er from client company nsibility for any losses o for each sample submit	to Eurofins r expenses l	Xenco, its affiliates ncurred by the clie ins Xenco, but not	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of services and any analysis and a chance of 55 for each sample submitted to Eurofinity Neuro, but not analyzed. These terms will be enforced unless previously region	d terms and conditions ces beyond the control unless previously negatiated.	
Relinguished by: (Signature)	w. (Signature)	Received by: (Signature	v: (Signature	1	٥	Date/Time	Relinquished by Viginature) Received by: (Signature) Received by: (Signature) Relinquished by: (Signatu	nature) Received by: (Signature)	ature) Date/Time
4 3 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V	dans							

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing Xenco

🐫 eurofins

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Chain of Custody

Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

Project Manager:		Bill to: (if different)		010	Www.xenco.com Work Order Co	Work Order Comments
Company Name: A CR Ento	CONSO	Company Name:	Coterra t	a Energy	Program: UST/PST  □ PRP	Brownfields ☐ RRC ☐ Superfund ☐
Address:		Address:		,	State of Project:	
City, State ZIP:	2	City, State ZIP:			Reporting: Level II Level III	] PST/UST
Phone:		Email:			Deliverables: EDD	ADaPT ☐ Other:
Project Name:	2 Ford	Turn Around		ANALYSIS REQUEST	EST	Preservative Codes
er:	#2\	Routine Rush	Pres. Code			None: NO DI Water: H <sub>2</sub> O
	Due Date:	ate:				Cool: Cool MeOH: Me
Sampler's Name:	TAT st	TAT starts the day received by				
PO #:	the la	the lab, if received by 4:30pm	sı			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
SAMPLE RECEIPT Jone Blank:	Yes No Wet Ice:	Ice: Yes No	reter			H₃PO₁: HP
Samples Received Intact: Yes No	Thermometer ID:	Comma				NaHSO 4: NABIS
Cooler Custody Seals: Yes No N/A)	Correction Factor:	, c. s.		(3)		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals: Yes No N/A	Temperature Reading:	19 G		- ATF		Zn Acetate+NaOH: Zn
Total Containers:	Corrected Temperature:	ture:	1	<u> </u>		NaOH+Ascorbic Acid: SAPC
	Date Time					
Sample Identification Matrix	S	Depth	J g			Sample Comments
Hy 0-1 Scil	11-20-13	D-1 624B	X X X			
			1 1			
		- 1-0				
3						
Total 200.7 / 6010 200.8 / 6020:	8RCRA	13PPM Texas 11 A	Al Sb As Ba Be B Cd	d Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	\ \ \	Se Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	yzed TC	TCLP / SPLP 6010 : 8RCRA	RA Sb As Ba Be Cd	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	e Ag TI U Hg: 1631/245.1/7470	45.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a vaild purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be expliced to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	es constitutes a valid purc les and shall not assume a o each project and a char	hase order from client company ny responsibility for any losses oi ge of \$5 for each sample submitt	to Eurofins Xenco, its affiliates ar r expenses incurred by the client ted to Eurofins Xenco, but not ar	nd subcontractors. It assigns standard tern if such losses are due to circumstances bevalvzed. These terms will be enforced unless	is and conditions ond the control s previously negotiated.	
Relinquished by: (Signature)	Received by: (Signature	nature)	Date/Time	Relinquished by: (Signature)	re) Received by: (Signature)	ature) Date/Time
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# **Login Sample Receipt Checklist**

Client: H & R Enterprises

Job Number: 890-5669-1

SDG Number: Eddy County NM

List Source: Eurofins Carlsbad

Login Number: 5669 List Number: 1

Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

**Eurofins Carlsbad** 

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## **Login Sample Receipt Checklist**

Client: H & R Enterprises Job Number: 890-5669-1

SDG Number: Eddy County NM

Login Number: 5669 **List Source: Eurofins Midland** List Number: 2 List Creation: 11/22/23 10:55 AM

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

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

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

QUESTIONS

Action 302218

#### **QUESTIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1720537352
Incident Name	NAB1720537352 DA VINCI 7 FEDERAL COM #002H @ 30-015-41259
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41259] DA VINCI 7 FEDERAL COM #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DA VINCI 7 FEDERAL COM #002H
Date Release Discovered	07/18/2017
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error   Flow Line - Production   Produced Water   Released: 40 BBL   Recovered: 20 BBL   Lost: 20 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)	Not answered.

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Energy, Minerals and Natural Resources
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QUESTIONS, Page 2

Action 302218

<b>QUESTIONS</b>	(continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### 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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.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 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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

Name: Laci Luig
Title: ES&H Specialist
Email: DL\_PermianEnvironmental@coterra.com
Date: 01/10/2024

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# **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 302218

**QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	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)	Less than or equal 25 (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 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
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 ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Zero feet, overlying, or within area	
Categorize the risk of this well / site being in a karst geology	High	
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

emediation Plan		
lease answer all the questions that apply or are indicated. This information must be pro	vided 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 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 area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	126	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	0	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per 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.		
On what estimated date will the remediation commence	11/20/2023	
On what date will (or did) the final sampling or liner inspection occur	11/20/2023	
On what date will (or was) the remediation complete(d)	11/20/2023	
What is the estimated surface area (in square feet) that will be reclaimed	29000	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	0	
What is the estimated volume (in cubic yards) that will be remediated	0	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

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** 

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QUESTIONS, Page 4

Action 302218

#### **QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	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.)  Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	Based off of results from the site assessment, no remediation will need to take place. Due to the site being overtop of an active ROW, reclamation and revegetation will occur during P/A activities.

Per 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.

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.

Name: Laci Luig
Title: ES&H Specialist
Email: DL\_PermianEnvironmental@coterra.com
Date: 01/10/2024

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.

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**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 302218

**QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	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 No submission

District I

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# 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 302218

**QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded 300854	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/20/2023
What was the (estimated) number of samples that were to be gathered	11
What was the sampling surface area in square feet	29000

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	0	
What was the total volume (cubic yards) remediated	0	
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)	Based off of results from the site assessment, no remediation will need to take place. Due to the site being overtop of an active ROW, reclamation and revegetation will occur during P/A activities.	

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

Title: ES&H Specialist
Email: DL\_PermianEnvironmental@coterra.com
Date: 01/10/2024

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**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 302218

**QUESTIONS** (continued)

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
6001 Deauville Blvd	Action Number:
Midland, TX 79706	302218
	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	

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

CONDITIONS

Action 302218

## **CONDITIONS**

Operator:	OGRID:
CIMAREX ENERGY CO.	215099
	Action Number: 302218
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation Closure approved. A complete and accurate reclamation report will need to be submitted. The reclamation report will need to address all of the requirements of 19.15.29.13 NMAC including pictures of the reclaimed area, and a proposed revegetation plan. Subsequent to the approval of a reclamation plan, a revegetation report will need to be submitted, including pictures of the revegetated areas, once the site meets the requirements for vegetation cover found in 19.15.29.13 D.(3) NMAC. Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used as long as the requirements of the surface owner provide equal or better protection of freshwater, human health and the environment.	1/16/2024