#### **CEDAR 11 SOUTHWEST CTB**

1/09/2024

#### OCD Incident nAPP2401035055

<u>Spi</u>	Spill Volume(Bbls) Calculator									
In	Inputs in blue, Outputs in red									
Cor	ntaminated S	Soil measurement								
Area (so	q feet)	Depth (in)								
0.0	<u>0</u>	<u>0.00</u>								
Cubic Feet of S	Soil Impacted	<u>0.00</u>								
Barrels of So	il Impacted	<u>0.00</u>								
Soil T	уре	Clay/Sand								
Barrels of Oi 100% Sat	_	0.00								
Saturation	Fluid pre	sent with shovel/backhoe								
Estimated Ba Relea		0.00								
	Free Standi	ng Fluid Only								
Area (so	q feet)	Depth (inches))								
<u>604.</u>	<u>.00</u>	2.000								
Standin	g fluid	<u>17.90</u>								
Total fluid	ls spilled	<u>17.90</u>								



April 1, 2024

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

Re: Deferral Request

**Cedar 11 Southwest CTB** 

Incident Number nAPP2401035055

**Eddy County, New Mexico** 

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company (Devon), has prepared this *Deferral Request* to document assessment and soil sampling activities at the Cedar 11 Southwest CTB (Site) in Unit M, Section 11, Township 21 South, Range 27 East, in Eddy County, New Mexico (Figure 1). The Site (32.49017°, -104.16796°) is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil within a lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this *Deferral Request*, describing Site assessment and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2401035055 until the Site is reconstructed and/or the well pad is abandoned.

#### **BACKGROUND**

On January 9, 2024, a 3-inch Victaulic clamp on the inlet line to the circulating pump popped off, resulting in the release of approximately 18 barrels (bbls) of crude oil into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 18 bbls of released crude oil were recovered from within the lined containment. Devon reported the release to the NMOCD via email on January 10, 2024, and subsequently the release was assigned Incident Number nAPP2401035055. A 48-hour advance notice of liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) via web portal. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient.

#### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, NM 88220 | ensolum.com



Depth to groundwater at the Site is estimated to be greater than 200 feet below ground surface (bgs) based on groundwater depth measurement of a nearby water well. On November 11, 2013, a soil boring (New Mexico Office of the State Engineer (NMOSE) file number C-03690 POD1) was drilled nearly 0.43 miles west of the Site. Soil boring C-03690 was drilled to a depth of 200 feet bgs. Depth to groundwater was confirmed to be greater than 200 feet bgs as indicated on the well log and record (see Appendix A).

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.83 miles northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high karst potential designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

#### SITE ASSESSMENT ACTIVITIES

On February 5, 2024, Ensolum personnel visited the Site to perform a liner integrity inspection and to conducted Site assessment activities. Ensolum personnel competent in conducting liner inspections identified five tears and it was determined the liner was insufficient and did not have the ability to contain the release in question. Four assessment soil samples (SS01 through SS04) were collected from each side of the lined secondary containment at surface level. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a PetroFLAG® Hydrocarbon Test Kit and chloride using the MOHR method titration. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted in Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

#### **DELINEATION ACTIVITIES**

Ensolum returned to the Site on February 12, 2024, to conduct delineation activities and to assess for the presence or absence of impacts to soil beneath the containment. The liner was found insufficient during the February 2024 inspection and as such, four boreholes (BH01 through BH04) were advanced in the general vicinity of the tears in the damaged liner. Borehole BH04 was collected in between tears four and five in the containment liner. The boreholes were advanced via hand auger to a depth of 2 feet



bgs in borehole BH01 and to a depth of 1-foot bgs in boreholes BH02 through BH04, and field screened for VOCs and chlorides at each foot as described above. The soil samples were handled and analyzed as previously described. Field screening results and observations from the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. Discrete delineation soil samples were collected at ground surface and from each foot in boreholes (BH01 through BH04) and submitted for laboratory analysis.

On February 27, 2024, Ensolum personnel returned to the Site to recollect lateral assessment soil samples SS01 and SS02, which exceeded the Site Closure Criteria due to localized surface contamination from ongoing production operations. Lateral assessment soil samples SS01A and SS02A were recollected at ground surface; the samples were handled and analyzed in the same manner as previously described.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for assessment soil samples SS01A, SS02A, SS03 and SS04, collected from outside of the lined secondary containment, indicated all COC concentrations were compliant with Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

Laboratory analytical results for the vertical delineation soil samples collected from borehole BH01 indicated COC concentrations were compliant with the Site Closure Criteria at ground surface to 2 feet bgs. Concentrations of chloride exceeded the Site Closure Criteria at ground surface in boreholes BH02 through BH04. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

#### **DEFERRAL REQUEST**

Devon is requesting deferral of final remediation due to the presence of active production equipment and surface pipelines within the lined containment. Impacted soil is limited to the area immediately beneath the lined containment and active production equipment, where remediation would require a major facility deconstruction.

Impacted soil remaining in place beneath the liner, which is delineated vertically by delineation soil samples BH01 through BH04, collected from a depth of 2 feet bgs in borehole BH01 and at 1-foot bgs in boreholes BH02 through BH04, and laterally by surface soil samples SS01A, SS02A, SS03 and SS04, collected at the ground surface. A maximum of 362 cubic yards of chloride impacted soil remains in place beneath the liner assuming a maximum 1-foot depth based on the delineation soil samples listed above. Impacted soil volumes estimate include waste-containing soil volumes to be addressed through reconstruction of the containment or final pad reclamation. The area of deferment is depicted on Figure 3.

Devon does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 200 feet bgs, the release was contained laterally by the lined containment, and the impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired by Devon and will restrict future vertical migration of residual impacts and any interactions with humans and/or wildlife.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Devon requests deferral of final remediation for Incident Number nAPP2401035055 until final reclamation of the well pad or major construction,



whichever comes first. Remedial actions completed to date have been protective of human health, the environment, and groundwater and deferment of impacted soil beneath the lined containment appears to be equally protective and warranting deferment. Notifications submitted to the NMOCD are included in Appendix E.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely, **Ensolum, LLC** 

Ashely Giovengo Senior Scientist Daniel R. Moir, PG Senior Managing Geologist

cc: Dale Woodall, Devon

Bureau of Land Management

#### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations

Figure 3 Area of Requested Deferral Table 1 Soil Sample Analytical Results

Appendix A Reference Wells
Appendix B Photographic Log

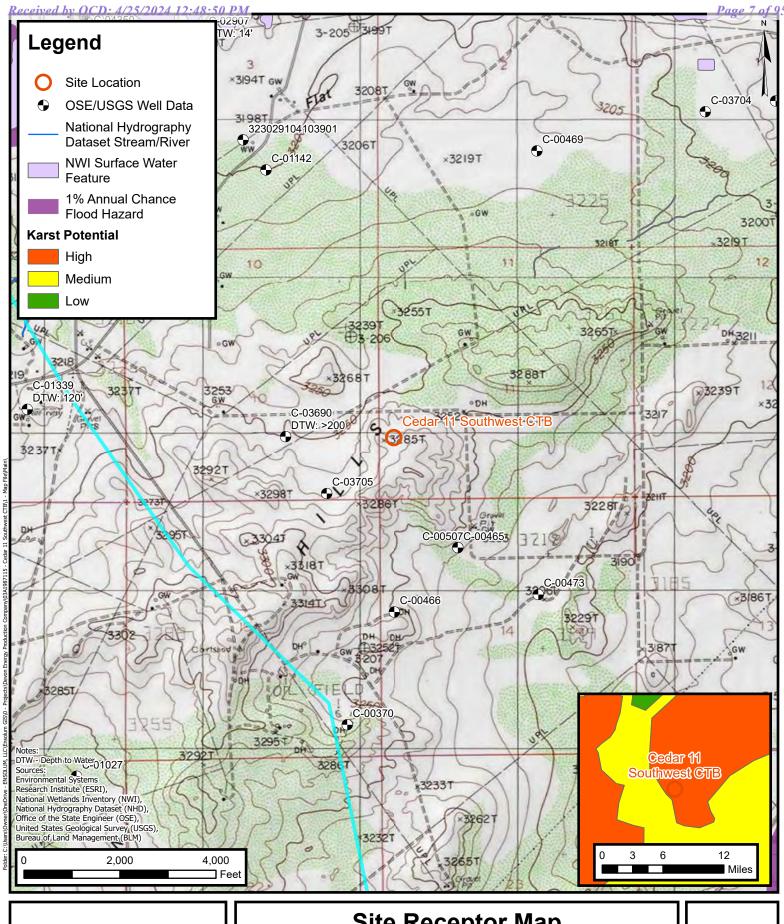
Appendix C Lithographic Soil Sampling Logs

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E Email Correspondence



**FIGURES** 



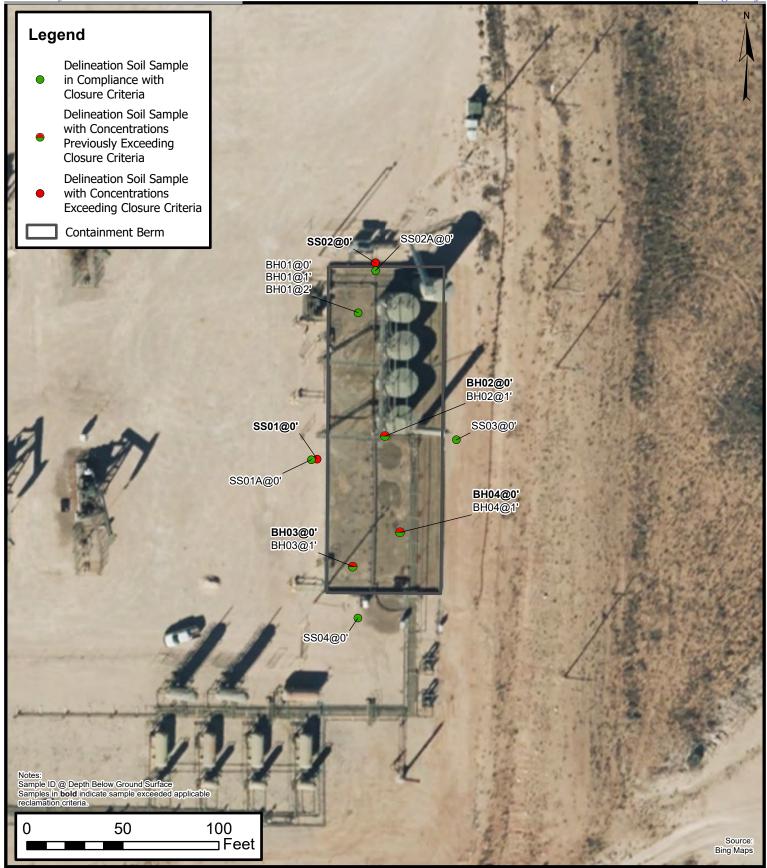


## **Site Receptor Map**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055 Unit M, Section 11, Township 21S, Range 27E Eddy County, New Mexico

**FIGURE** 

Released to Imaging: 5/21/2024 10:20:57 AM

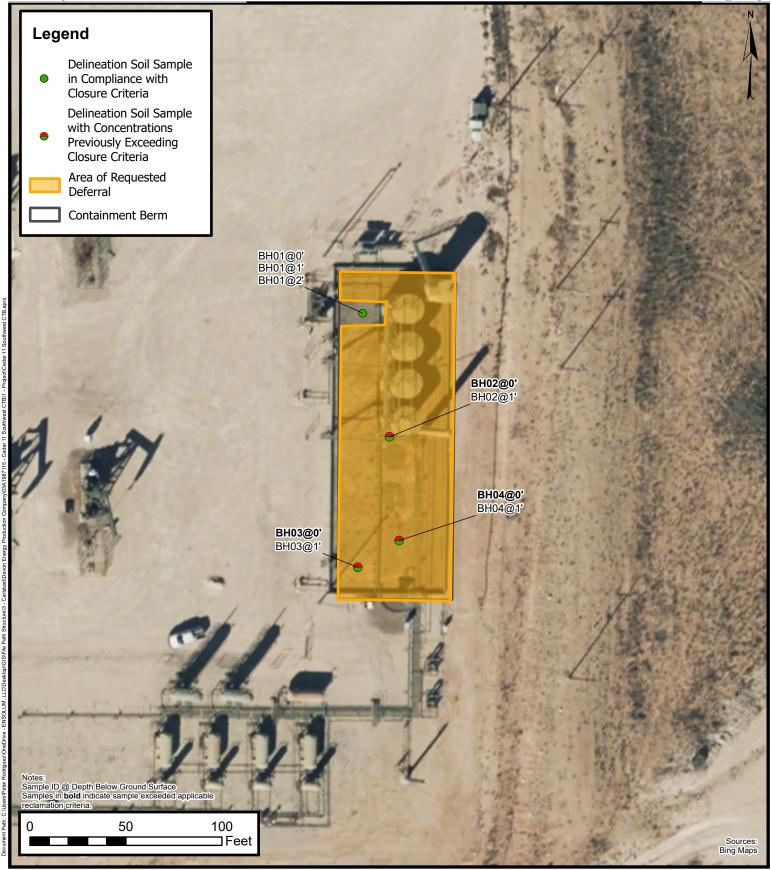




# **Delineation Soil Sample Locations**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055 Unit M, Section 11, Township 21S, Range 27E Eddy County, New Mexico FIGURE

2





## **Area of Requested Deferral**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055 Unit M, Section 11, Township 21S, Range 27E

Eddy County, New Mexico

FIGURE 3



**TABLES** 



#### TABLE 1

#### **SOIL SAMPLE ANALYTICAL RESULTS**

**Cedar 11 Southwest CTB Devon Energy** 

Eddy	County,	New	Mexico

					County, New Mi					
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Deli	neation Soil Sam	ples				
SS01	2/5/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	661
SS01A	2/27/2024	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	421
SS02	2/5/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	646
SS02A	2/27/2024	0	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	64.4
SS03	2/5/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	255
SS04	2/5/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	372
BH01	2/12/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH01	2/12/2024	1	< 0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
BH01	2/12/2024	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	37.0
BH02	2/12/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,060
BH02	2/12/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	376
BH03	2/12/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	711
BH03	2/12/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	25.0
BH04	2/12/2024	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	1,240
BH04	2/12/2024	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	371

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**APPENDIX A** 

Well Log and Record



## WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER www.ose.state.nm.us

STATE ENGINEER OFFICE

							7913 NOV	119 A 2:	13	
	OSE POD NUMB	ER (WELL	NUMBER)				OSE FILE NUI			
NO O				PODI			C-3690			
CAT	WELL OWNER N						PHONE (OPTI- 575-513-9	•		
1. GENERAL AND WELL LOCATION	WELL OWNER N 1819-2 N. Ca		ADDRESS	·			CITY Carlsbad		STATE NM 8822	ZIP O
è	WELL DEGREES MINUTES SECONDS									
LA	LOCATION	LATI	rude 32	23	17.0	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND	
IERA	(FROM GPS)		HTUDE 104	10	18.4	· w	* DATUM REG	QUIRED: WGS 84		
1. GEN	DESCRIPTION RE	LATING WE	LL LOCATION TO STREE	T ADDRESS AND COMMO	ON LANDMARKS - PLS	S (SECTION, TO	OWNSHJIP, RANG	E) WHERE AVAILABLE	· · · · · · · · · · · · · · · · · · ·	
	LICENSE NUMB		NAME OF LICENSED					NAME OF WELL DR		
	WD-1348	- 1	Clinton E Taylo					Taylor Water W		
	DRILLING STAR 11/10/2013		DRILLING ENDED 1/11/2013	DEPTH OF COMPLETE Plugged	ED WELL (FT)	BORE HOI	LE DEPTH (FT)	None	ST ENCOUNTERED (F1)	
				© DRY HOLE		<u> </u>		STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)
NO	COMPLETED WI				SHALLOW (UNC	ONFINED)	-			
TAT	DRILLING FLUI		AIR .	C MUD	ADDITIVES - SPI	ECIFY:				
8	DRILLING MET		ROTARY	C HAMMER C	CABLE TOOL	Сотн	IR - SPECIFY:			<u></u>
CASING INPORMATION	FROM	t bgl) TO	BORE HOLE DIAM (inches)	CASING MATE GRA (include each ca note section	DE sing string, and	CON	ASING NECTION YPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
DRILLING & C										
2. DRI										
						ļ				<del> </del>
						<u> </u>	<del></del>		<u> </u>	<u>-</u> -
-	DEPTH (fee	t bgl)	BORE HOLE	LIST AN	NULAR SEAL M	ATERIAL A	AND	AMOUNT	метно	D OF
¥I.	FROM	TO	DIAM. (inches)	GRAVEL P.	ACK SIZE-RANG	E BY INTE	RVAL	(cubic feet)	PLACEM	
ANNULAR MATERIAL										
MA.					··········					
LAR										
N										
3. Al		<del></del>								
	OSE INTERNA								& LOG (Version 06/0	8/2012)
	NUMBER (		3690		POD NUMBER		TRN	NUMBER 53	1022	
LOC	ATION			<u>215.</u>	27E.11	<u>7.41</u>	4		PAGE	1 OF 2

					<del></del>	
	DEPTH (	feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED -	WATER	ESTIMATED YIELD FOR
	FROM	то	(feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	BEARING? (YES/NO)	WATER- BEARING ZONES (gpm)
	0	5	5	Sandy Soil	CYGN	
	5	44	39	Clay: rd,sndy	CYGN	
	44	66	22	Sandstone: rd,clr,fn-med grn,wl conlsl,sme conglomerate,ye	H C Y 6 N	
			·	brn,lmy	CYCN	
	66	81	15	Clay: blu gry,gry,sme siltstone	CYGN	
1	81	95	14	Dolomite: dk brn,vfn-fn xln,vugular porosity	CYGN	
4. HYDROGEOLOGIC LOG OF WELL	95	102	7	Siltstone: brn-gry,sme rd clay	C Y 6 N	
OF V	102	150	48	Clay: rd,sndy	C Y @ N	
,0G	150	200	50	Clay: rd,smth,stky	CYEN	
IC I					$C^{Y}$	
907					$C_A \subset N$	
EO					$C_{\Lambda}$	
ROC					$C^{Y}$	
HYD					$C_A \subset N$	
4.					$C^{Y}$	· · · · · · · · · · · · · · · · · · ·
					$C_{\Lambda} \subset N$	
					$C^{Y}$	
					$C^{Y} C^{N}$	
					$C^{Y} C^{N}$	
					$C^{Y} \subset N$	
					$C_A \subset_N$	
	METHOD U	SED TO ES	TIMATE YIELD	· 1	OTAL ESTIMATED	
	C AIR LIF	r <b>(</b> 1	BAILER (	OTHER - SPECIFY:	VELL YIELD (gpm):	
ION	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER		
VISI	MISCELLA	NEOUS INF	FORMATION:	· · · · · · · · · · · · · · · · · · ·		
UPER		•	L DI I			
TEST; RIG SUPERVIS	No water	was roun	d. Plugged w	ен.		
EST	PRINT NAM	(E(S) OF DI	RILL RIG SUPER	CVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	RUCTION OTHER TH	IAN LICENSEE:
5. T		. ,		, ,		
	THEIRE	DSICNED	IEDEDV CEDTU	TES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF	THE ECDECOMO 15	ያ ለ ምዕነሙ ለእጥ
SIGNATURE	CORRECT	RECORD O	F THE ABOVE I	DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC 20 DAYS AFTER COMPLETION OF WELL DRILLING:	ORD WITH THE STA	TE ENGINEER
IGNA				<i>~</i>	11/1	
6. SI	-	G COVA	IMP OF PROFIT	CE Taylor	11/18/17	<del></del>
		SIGNAL	OKE OF DRILLE	ER / PRINT SIGNEE NAME	/ DATE	
FOR	OSE INTER	NAI IIGE		WP.20 WELL	RECORD & LOG (Ve	mion 06/09/2012)

POD NUMBER

TRN NUMBER

PAGE 2 OF 2

FILE NUMBER

LOCATION



**APPENDIX B** 

Photographic Log

#### **Photographic Log**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055





Date: 01/09/2024

Photograph 1 Date: 01/09/2024 Photograph 2

Description: Initial Release View: Northeast Description: Initial Release
View: Southeast



Photograph 3 Date: 02/05/2024 Photograph 4 Date: 02/05/2024

Description: Liner Inspection Description: Liner Inspection

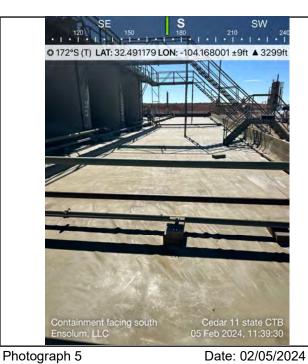
View: South View: East



#### **Photographic Log**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055

273°W (T) LAT: 32.490753 LON: -104.167894 ±9ft ▲ 3292ft



Photograph 6 Date: 02/05/2024

Description: Liner Inspection

Containment facing west Ensolum, LLC

View: West

Description: Liner Inspection

View: South



Photograph 7 Date: 02/05/2024

View: North

Description: Liner Inspection



Photograph 8 Date: 02/05/2024

Description: Liner Inspection
View: Northeast

#### **Photographic Log**

**Devon Energy Production Company** Cedar 11 Southwest CTB Incident Number: nAPP2401035055



Date: 02/12/2024 Photograph 9

Description: Liner Delineation

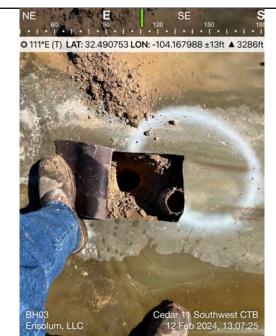
View: East



Photograph 10

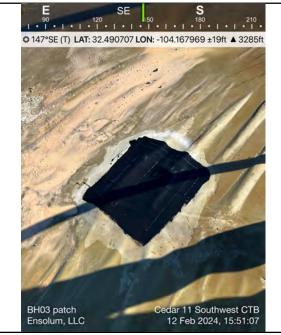
Description: Liner Delineation

View: East



Photograph 11 Date: 02/12/2024 Description: Liner Delineation

View: East



Photograph 12 Date: 02/12/2024

Description: Liner Delineation

View: Southeast

#### **Photographic Log**

Devon Energy Production Company Cedar 11 Southwest CTB Incident Number: nAPP2401035055



Photograph 13
Description: Liner Patch

View: Southeast

Date: 02/12/2024

© 1°N (T) LAT: 32.490772 LON: -104.167932 ±42ft 33316ft

BH04 patch
Ensolum, LLC

Photograph 14

Date: 02/12/2024

Description: Liner Patch
View: North

SE S S 150 S 150

Photograph 15 Date: 02/27/2024

**Description: Lateral Delineation Sampling** 

View: East



Photograph 16 Date: 02/27/2024

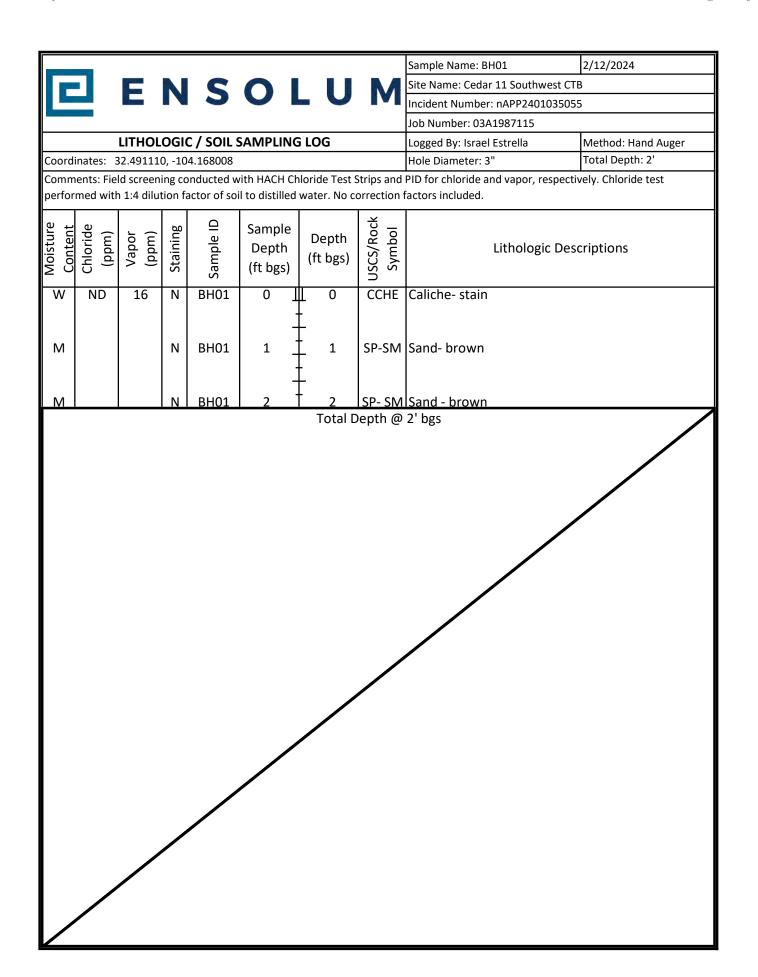
**Description: Lateral Delineation Sampling** 

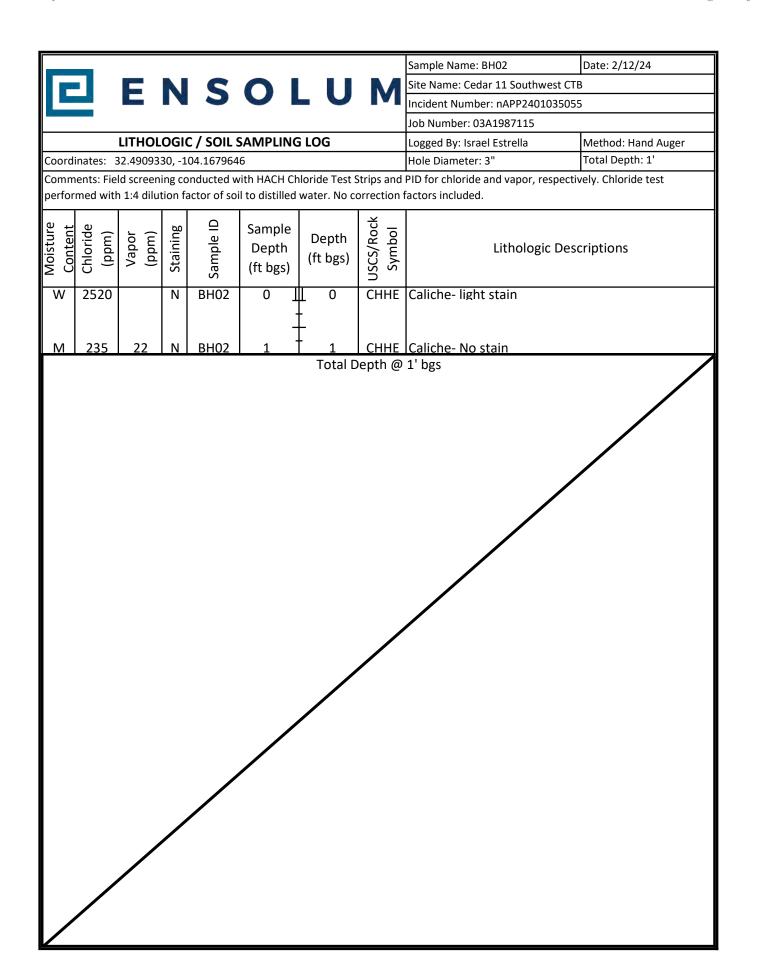
View: Southeast

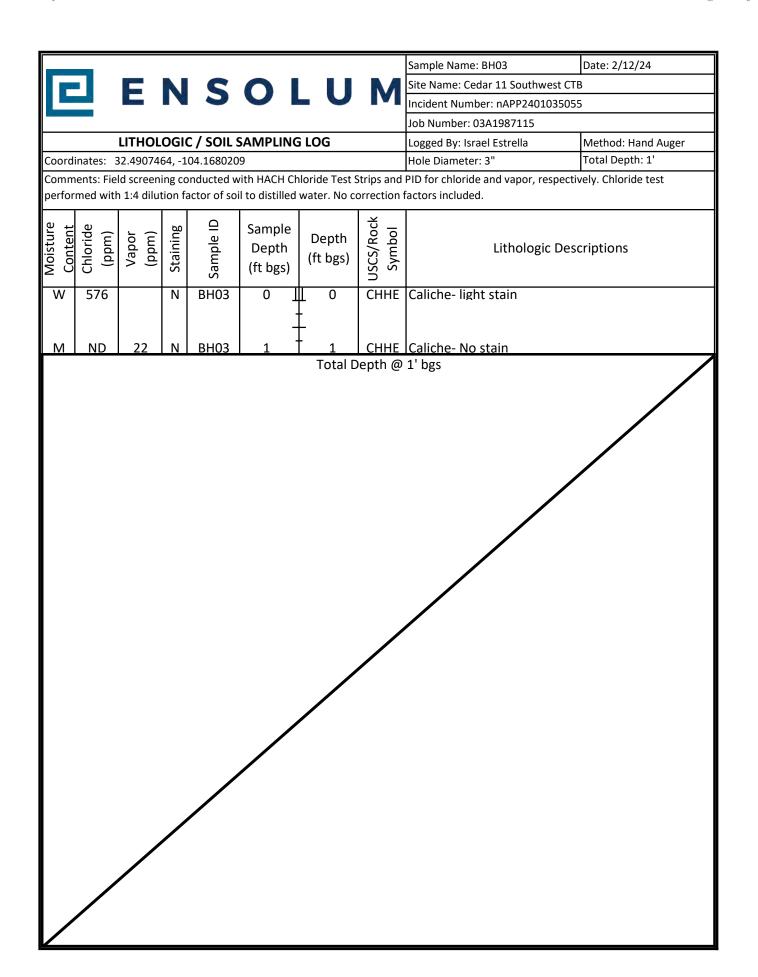


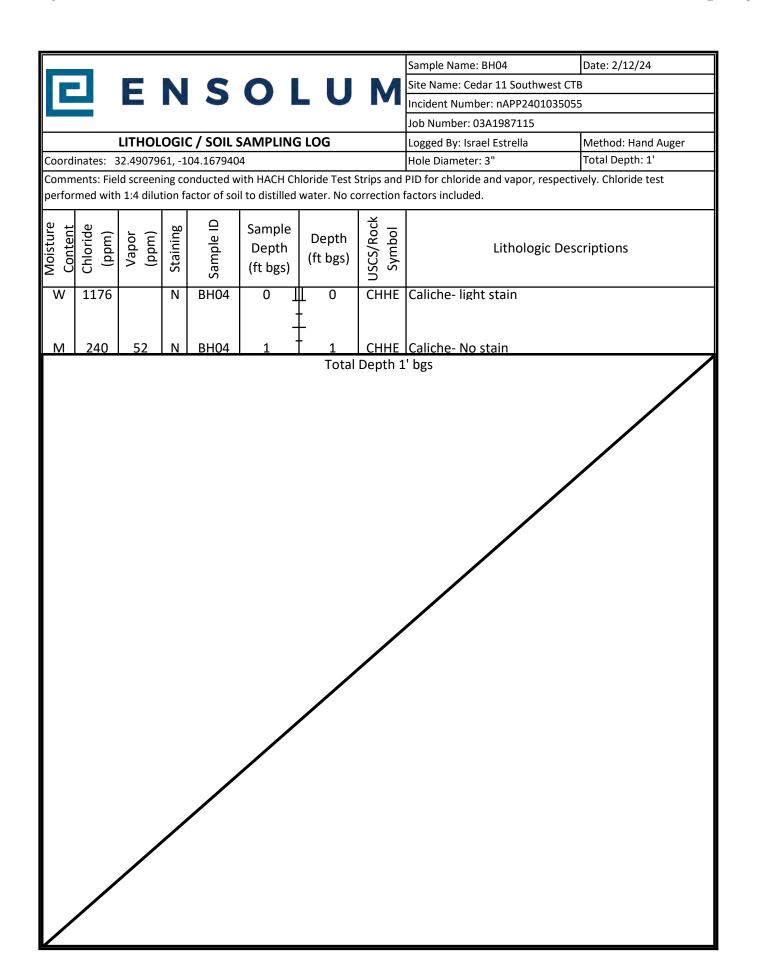
# **APPENDIX C**

Lithologic Soil Sampling Logs











## APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: Cedar 11 Southwest CTB

Work Order: E402069

Job Number: 01058-0007

Received: 2/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/13/24

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

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

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

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

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

Date Reported: 2/13/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Workorder: E402069

Project Name: Cedar 11 Southwest CTB

Date Received: 2/7/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/7/2024 6:00:00AM, under the Project Name: Cedar 11 Southwest CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 Southwest CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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### **Sample Summary**

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Donoutode
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/13/24 15:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS01-0'	E402069-01A Soil	02/05/24	02/07/24	Glass Jar, 2 oz.
SS02-0'	E402069-02A Soil	02/05/24	02/07/24	Glass Jar, 2 oz.
SS03-0'	E402069-03A Soil	02/05/24	02/07/24	Glass Jar, 2 oz.
SS04-0'	E402069-04A Soil	02/05/24	02/07/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/13/2024 3:07:44PM

### SS01-0' E402069-01

		E402009-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dil	ution	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406070
Benzene	ND	0.0250		1	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250		1	02/07/24	02/09/24	
Toluene	ND	0.0250		1	02/07/24	02/09/24	
o-Xylene	ND	0.0250		1	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500		1	02/07/24	02/09/24	
Total Xylenes	ND	0.0250		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406070
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		113 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		89.7 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0		1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0		1	02/09/24	02/10/24	
Surrogate: n-Nonane		106 %	50-200		02/09/24	02/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2406085
Chloride	661	20.0		1	02/08/24	02/08/24	



Devon Energy - CarlsbadProject Name:Cedar 11 Southwest CTB6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo2/13/20243:07:44PM

SS02-0'

#### E402069-02

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2406070
Benzene	ND	0.0250	1		02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1		02/07/24	02/09/24	
Toluene	ND	0.0250	1		02/07/24	02/09/24	
o-Xylene	ND	0.0250	1		02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1		02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		108 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2406070
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		108 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	ζM		Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1		02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/09/24	02/10/24	
Surrogate: n-Nonane		102 %	50-200		02/09/24	02/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2406085
Chloride	646	100	5		02/08/24	02/08/24	



Devon Energy - CarlsbadProject Name:Cedar 11 Southwest CTB6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo2/13/20243:07:44PM

#### SS03-0'

#### E402069-03

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2406070
Benzene	ND	0.0250	1		02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1		02/07/24	02/09/24	
Toluene	ND	0.0250	1		02/07/24	02/09/24	
o-Xylene	ND	0.0250	1		02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1		02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2406070
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		112 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		107 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1		02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1		02/09/24	02/10/24	
Surrogate: n-Nonane		90.5 %	50-200		02/09/24	02/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2406085
Chloride	255	20.0	1		02/08/24	02/08/24	



Devon Energy - CarlsbadProject Name:Cedar 11 Southwest CTB6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo2/13/20243:07:44PM

#### SS04-0'

#### E402069-04

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2406070
Benzene	ND	0.0250	1	l	02/07/24	02/09/24	
Ethylbenzene	ND	0.0250	1	l	02/07/24	02/09/24	
Toluene	ND	0.0250	1	l	02/07/24	02/09/24	
o-Xylene	ND	0.0250	1	l	02/07/24	02/09/24	
p,m-Xylene	ND	0.0500	1	l	02/07/24	02/09/24	
Total Xylenes	ND	0.0250	1	l	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2406070
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	02/07/24	02/09/24	
Surrogate: Bromofluorobenzene		115 %	70-130		02/07/24	02/09/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		02/07/24	02/09/24	
Surrogate: Toluene-d8		106 %	70-130		02/07/24	02/09/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2406099
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/09/24	02/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/09/24	02/10/24	
Surrogate: n-Nonane		103 %	50-200		02/09/24	02/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2406085
				2		02/08/24	



### **QC Summary Data**

Devon Energy - Carlsbad Cedar 11 Southwest CTB Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 2/13/2024 3:07:44PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2406070-BLK1) Prepared: 02/07/24 Analyzed: 02/09/24 ND 0.0250 ND 0.0250 Ethylbenzene Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.562 0.500 112 70-130 Surrogate: 1,2-Dichloroethane-d4 0.454 0.500 90.8 70-130 0.500 106 70-130 Surrogate: Toluene-d8 0.532 LCS (2406070-BS1) Prepared: 02/07/24 Analyzed: 02/09/24 2.79 0.0250 2.50 111 70-130 Benzene 2.50 111 70-130 2.77 Ethylbenzene 0.0250 2.67 0.0250 2.50 107 70-130 70-130 2.78 0.0250 2.50 111 o-Xylene 5.50 5.00 110 70-130 p,m-Xylene 0.0500 8.28 0.0250 7.50 110 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.591 0.500 118 70-130 0.500 98.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.494 70-130 Surrogate: Toluene-d8 0.535 0.500 Matrix Spike (2406070-MS1) Source: E402066-02 Prepared: 02/07/24 Analyzed: 02/09/24 2.42 0.0250 2.50 ND 48-131 ND 45-135 Ethylbenzene 2.76 0.0250 2.50 110 ND 102 48-130 Toluene 2.55 0.0250 2.50 2.76 0.0250 2.50 ND 110 43-135 o-Xylene 5.00 ND 110 43-135 p,m-Xylene 5.50 0.0500 Total Xylenes 8.26 0.0250 7.50 ND 110 43-135 Surrogate: Bromofluorobenzene 0.583 0.500 117 70-130

0.500

0.500

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

0.467

0.544

2.23

2.60

2.42

2.68

5.27

7.95

0.577

0.477

0.530

93.3

89.4

96.8

107

105

106

115

95.3

Source: E402066-02

ND

ND

ND

ND

ND

ND

70-130

70-130

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

7.91

6.03

5.31

3.11

4.26

3.87

Prepared: 02/07/24 Analyzed: 02/09/24

23

27

24

27

27

27

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Matrix Spike Dup (2406070-MSD1)

Surrogate: Toluene-d8

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

## **QC Summary Data**

Devon Energy - Carlsbad Cedar 11 Southwest CTB Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 2/13/2024 3:07:44PM Project Manager: Ashley Giovengo

Artesia Nivi, 88210		Floject Manager	1. AS	illey Glovelig	30			2/1	3/2024 3.07.441 WI	
Analyte	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: IY		
	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2406070-BLK1)							Prepared: 0	2/07/24 Anal	yzed: 02/09/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.562		0.500		112	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130				
Surrogate: Toluene-d8	0.532		0.500		106	70-130				
LCS (2406070-BS2)							Prepared: 0	2/07/24 Analy	yzed: 02/09/24	
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130				
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.2	70-130				
Surrogate: Toluene-d8	0.549		0.500		110	70-130				
Matrix Spike (2406070-MS2)				Source:	Source: E402066-02			2/07/24 Analy	yzed: 02/09/24	

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: Bromofluorobenzene	0.574		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.542		0.500		108	70-130			
Matrix Spike Dup (2406070-MSD2)				Source:	E402066-	02	Prepared: 02	2/07/24 An	alyzed: 02/09/24
Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	1.16	20	
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.441		0.500		88.1	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/13/2024 3:07:44PM

Artesia NM, 88210		Project Manager	r: As	hley Gioveng	go			2	/13/2024 3:07:44PI		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: KM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2406099-BLK1)							Prepared: 0	2/09/24 Ana	alyzed: 02/10/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
urrogate: n-Nonane	57.4		50.0		115	50-200					
LCS (2406099-BS1)							Prepared: 0	2/09/24 Ana	alyzed: 02/10/24		
Diesel Range Organics (C10-C28)	279	25.0	250		112	38-132					
urrogate: n-Nonane	57.6		50.0		115	50-200					
Matrix Spike (2406099-MS1)				Source:	E402065-	02	Prepared: 0	2/09/24 Ana	alyzed: 02/10/24		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	38-132					
urrogate: n-Nonane	58.3		50.0		117	50-200					
Matrix Spike Dup (2406099-MSD1)				Source:	E402065-	02	Prepared: 0	2/09/24 Ana	alyzed: 02/10/24		
Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132	2.46	20			
Gurrogate: n-Nonane	58.7		50.0		117	50-200					



### **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Number: Project Manager:	01058-0007 Ashley Giovengo	Reported: 2/13/2024 3:07:44PM
	Anions by 1	EPA 300.0/9056A	Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2406085-BLK1)							Prepared: 0	2/08/24 Ana	lyzed: 02/08/24
Chloride	ND	20.0							
LCS (2406085-BS1)							Prepared: 0	2/08/24 Ana	lyzed: 02/08/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2406085-MS1)				Source:	E402074-	03	Prepared: 0	2/08/24 Ana	lyzed: 02/08/24
Chloride	3600	200	250	3210	155	80-120			M4
Matrix Spike Dup (2406085-MSD1)				Source:	E402074-	03	Prepared: 0	2/08/24 Ana	lyzed: 02/08/24
Chloride	3430	200	250	3210	88.2	80-120	4.73	20	

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

ſ	Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/13/24 15:07

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



EPA I	rogram
CWA	SDWA
	RCRA
State	
UT AZ	Z TX
emark	s

Client: D	Devon				Bill To			L	ab U	se O	nly			TA	AT	EPA P	rogram
Project:	Cedar 11				Attention: Dale Woodall		Lab WO	#			Number	10	2D	3D	Standard	CWA	SDWA
Carried States	Nanager: Ashl				Address: 205 E Bender Road #1		E40	201	69	010	258-0007				х		1
	3122 Nationa				City, State, Zip: Hobbs NM, 882	40				Anal	ysis and Metho	od			The Art of		RCRA
	e, Zip: Carlsb	ad NM, 88	3220		Phone: (575)748-1838		þ										
	575-988-0055				Email: dale.woodall@dvn.com		ORO S					UL.				State	
	giovengo@ens	olum.cor	n		×		80	=			0.	N		_	NM CO	UT AZ	TX
Report d	ue by:						IQ/C	802	826	5010	300			¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
13:26	2/5/2024	Soil	1		SS01 - 0'	1						х					
12:00	2/5/2024	Soil	1		SS02 -0'	2						х					
12:02	2/5/2024	Soil	1		SS03 - 0'	3		T				х					
12:04	2/5/2024	Soil	1		SS04 - 0'	4						х					
n ddiai on		Disease			com, agiovengo@ensolum.com, da												
Addition	ai mstructions	. Ficasi	e cc. cou	rtonwensolum.	com, agrovengo@ensoium.com, da	ie.woodan@	uvn.con	i, Cita	1111111	one	ensolum.com	ı, en	arte	enson	um.com		
				f this sample. I am aw grounds for legal action	are that tampering with or intentionally mislabel on. <u>Sampled by: Cole Burton</u>		cation,								eceived on ice the da less than 6 °C on sub	and the second	pled or
Relinquish	ed by: (Signature)	M	Date	6/24 Time	Received by: (Signature)	2-62		130		Rec	eived on ice:		Lab U	lse On N	ily		
Will	ed by: (Signature)	1	2.	6-24 150 Time	Received by: (Signature)	Date 2-6-	ru l	83	00	<u>T1</u>		<u>T2</u>			<u>T3</u>		
Relinguishe	/ [/	r882	-	6.24 Lyon	Received by: (Signature)	2-7-2	4 0	600	0	AVO	Temp °C_	+					
	rix: S - Soil, Sd - Soli				//	Containe	r Type: g	glass	s, p -	_	olastic, ag - am	ber	glass,	v - VO	A		
Note: Samp	oles are discarded	30 days aft	ter results a	are reported unless	other arrangements are made. Hazardous											ysis of the a	bove sam
					s COC. The liability of the laboratory is limit												



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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Printed: 2/7/2024 9:02:10AM

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24	4 hours of the date of this notice, all the samples will be analyzed as r	equested.

Client: Devon Energy - Carlsbad Da	te Received:	02/07/24	06:00	Work Order ID:	E402069
Phone: (505) 382-1211 Da	te Logged In:	02/06/24	15:04	Logged In By:	Alexa Michaels
email: ashley.giovengo@wescominc.com Du	e Date:	02/13/24	17:00 (4 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location match t	he COC	Yes			
Were samples dropped off by client or carrier?		Yes	Carrier: Courier		
. Was the COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	Carrier. <u>Courser</u>		
. Were all samples received within holding time?		Yes			
Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,		<b>.</b>	Commen	ts/Resolution
Sample Turn Around Time (TAT)  5. Did the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample Cooler					
7. Was a sample cooler received?		Yes			
B. If yes, was cooler received in good condition?		Yes			
Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?					
	40±30C	NA			
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e.,  Note: Thermal preservation is not required, if samples are rec minutes of sampling	cived w/i 15	Yes			
<ol> <li>If no visible ice, record the temperature. Actual sample tem</li> </ol>	perature: 4	<u>L</u>			
Sample Container					
4. Are aqueous VOC samples present?		No			
5. Are VOC samples collected in VOA Vials?		NA			
6. Is the head space less than 6-8 mm (pea sized or less)?		NA			
7. Was a trip blank (TB) included for VOC analyses?		NA			
8. Are non-VOC samples collected in the correct containers?		Yes			
9. Is the appropriate volume/weight or number of sample containers	collected?	Yes	:		
Fleid Label					
20. Were field sample labels filled out with the minimum informa	tion:				
Sample ID?		Yes			
Date/Time Collected? Collectors name?		Yes			
Sample Preservation		Yes			
21. Does the COC or field labels indicate the samples were present	ved?	No			
22. Are sample(s) correctly preserved?		NA			
24. Is lab filteration required and/or requested for dissolved metal	<b>c</b> ?	No			
	- *	.40			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multiphase?	n	No			
77. If yes, does the COC specify which phase(s) is to be analyzed	7	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laboratory?		No			
29. Was a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
Client Instruction					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

### **Analytical Report**

Devon Energy - Carlsbad

Project Name: Cedar 11 Southwest CTB

Work Order: E402113

Job Number: 01058-0007

Received: 2/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/19/24

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

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

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

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

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

Date Reported: 2/19/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Workorder: E402113

Project Name: Cedar 11 Southwest CTB

Date Received: 2/14/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/14/2024 7:00:00AM, under the Project Name: Cedar 11 Southwest CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 Southwest CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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### Sample Summary

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Danautada
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/19/24 15:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E402113-01A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH01-1'	E402113-02A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH01-2'	E402113-03A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH02-0'	E402113-04A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH02-1'	E402113-05A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH03-0'	E402113-06A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH03-1'	E402113-07A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH04-0'	E402113-08A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.
BH04-1'	E402113-09A	Soil	02/12/24	02/14/24	Glass Jar, 2 oz.

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH01-0' E402113-01

		E402113-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: EG	·	Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.1 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		100 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: IY		Batch: 2407043
Chloride	ND	20.0	1	02/14/24	02/14/24	



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

### BH01-1'

		E402113-02						
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2407040		
Benzene	ND	0.0250	1	02/14/24	02/15/24			
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24			
Toluene	ND	0.0250	1	02/14/24	02/15/24			
o-Xylene	ND	0.0250	1	02/14/24	02/15/24			
o,m-Xylene	ND	0.0500	1	02/14/24	02/15/24			
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24			
Surrogate: 4-Bromochlorobenzene-PID		85.6 %	70-130	02/14/24	02/15/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2407040		
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	02/14/24	02/15/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2407057		
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24			
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24			
Surrogate: n-Nonane		96.9 %	50-200	02/15/24	02/16/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2407043		
Chloride	ND	20.0	1	02/14/24	02/15/24			



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH01-2'

#### E402113-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		85.6 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.8 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		100 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2407043
Chloride	37.0	20.0	1	02/14/24	02/15/24	



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH02-0'

		E402113-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
o,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		95.4 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2407043
Chloride	2060	20.0	1	02/14/24	02/15/24	



Chloride

### **Sample Data**

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH02-1'

		E402113-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		84.8 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		101 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2407043

20.0

376

02/14/24

02/15/24



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH03-0'

		E402113-06					
Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: EG		Batch: 2407040	
Benzene	ND	0.0250	1	02/14/24	02/15/24		
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24		
Toluene	ND	0.0250	1	02/14/24	02/15/24		
o-Xylene	ND	0.0250	1	02/14/24	02/15/24		
o,m-Xylene	ND	0.0500	1	02/14/24	02/15/24		
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24		
Surrogate: 4-Bromochlorobenzene-PID		84.9 %	70-130	02/14/24	02/15/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: EG		Batch: 2407040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.1 %	70-130	02/14/24	02/15/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2407057	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24		
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24		
Surrogate: n-Nonane		97.5 %	50-200	02/15/24	02/16/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2407043	
Chloride	711	20.0	1	02/14/24	02/15/24		



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH03-1'

#### E402113-07

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: EG		Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		105 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2407043
Chloride	25.0	20.0	-	02/14/24	02/15/24	



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH04-0' E402113-08

	2.02110 00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	yst: EG		Batch: 2407040
ND	0.0250	1	02/14/24	02/15/24	
ND	0.0250	1	02/14/24	02/15/24	
ND	0.0250	1	02/14/24	02/15/24	
ND	0.0250	1	02/14/24	02/15/24	
ND	0.0500	1	02/14/24	02/15/24	
ND	0.0250	1	02/14/24	02/15/24	
	86.3 %	70-130	02/14/24	02/15/24	
mg/kg	mg/kg	Analy	yst: EG		Batch: 2407040
ND	20.0	1	02/14/24	02/15/24	
	99.1 %	70-130	02/14/24	02/15/24	
mg/kg	mg/kg	Analy	yst: KM		Batch: 2407057
ND	25.0	1	02/15/24	02/16/24	
ND	50.0	1	02/15/24	02/16/24	
	104 %	50-200	02/15/24	02/16/24	
mg/kg	mg/kg	Analy	yst: IY		Batch: 2407043
	mg/kg ND	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           86.3 %         mg/kg           MD         20.0           99.1 %         mg/kg           MD         25.0           ND         50.0           104 %	mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           86.3 %         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           99.1 %         70-130         1           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           104 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: EG           ND         0.0250         1         02/14/24           ND         0.0250         1         02/14/24           ND         0.0250         1         02/14/24           ND         0.0250         1         02/14/24           ND         0.0500         1         02/14/24           ND         0.0250         1         02/14/24           mg/kg         mg/kg         Analyst: EG           ND         20.0         1         02/14/24           mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/15/24           ND         50.0         1         02/15/24           ND         50.0         1         02/15/24	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: EG           ND         0.0250         1         02/14/24         02/15/24           ND         0.0250         1         02/14/24         02/15/24           ND         0.0250         1         02/14/24         02/15/24           ND         0.0500         1         02/14/24         02/15/24           ND         0.0250         1         02/14/24         02/15/24           ND         0.0250         1         02/14/24         02/15/24           MD         0.0250         1         02/14/24         02/15/24           Mg/kg         mg/kg         Analyst: EG           ND         20.0         1         02/14/24         02/15/24           Mg/kg         mg/kg         Analyst: KM           ND         25.0         1         02/14/24         02/15/24           ND         25.0         1         02/15/24         02/16/24           ND         50.0         1         02/15/24         02/16/24           ND         50.0         1         02/15/24         02/16/24



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

#### BH04-1' E402113-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: EG		Batch: 2407040
Benzene	ND	0.0250	1	02/14/24	02/15/24	
Ethylbenzene	ND	0.0250	1	02/14/24	02/15/24	
Toluene	ND	0.0250	1	02/14/24	02/15/24	
o-Xylene	ND	0.0250	1	02/14/24	02/15/24	
p,m-Xylene	ND	0.0500	1	02/14/24	02/15/24	
Total Xylenes	ND	0.0250	1	02/14/24	02/15/24	
Surrogate: 4-Bromochlorobenzene-PID		88.7 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: EG		Batch: 2407040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/14/24	02/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.1 %	70-130	02/14/24	02/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2407057
Diesel Range Organics (C10-C28)	ND	25.0	1	02/15/24	02/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/15/24	02/16/24	
Surrogate: n-Nonane		99.1 %	50-200	02/15/24	02/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2407043
Chloride	371	20.0	1	02/14/24	02/15/24	



		· ·	
Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM
	Volatile Orga	nics by EPA 8021B	Analyst: EG

6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		1058-0007				2/	19/2024 3:28:13PM
Artesia Nivi, 88210		Project Manager:	A	shley Giovengo				21	19/2024 3.28.13FW
		Volatile Or	rganics b	by EPA 8021	В				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2407040-BLK1)							Prepared: 02	2/14/24 Ana	lyzed: 02/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.2	70-130			
LCS (2407040-BS1)							Prepared: 02	2/14/24 Ana	yzed: 02/14/24
Benzene	4.52	0.0250	5.00		90.3	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130			
Toluene	4.64	0.0250	5.00		92.8	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.4	70-130			
Matrix Spike (2407040-MS1)				Source: E	402112-0	)1	Prepared: 02	2/14/24 Ana	yzed: 02/14/24
Benzene	4.81	0.0250	5.00	ND	96.1	54-133			
Ethylbenzene	5.05	0.0250	5.00	ND	101	61-133			
Toluene	4.98	0.0250	5.00	ND	99.5	61-130			
o-Xylene	5.00	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.7	70-130			
Matrix Spike Dup (2407040-MSD1)				Source: E	402112-0	)1	Prepared: 02	2/14/24 Ana	yzed: 02/14/24
Benzene	4.81	0.0250	5.00	ND	96.2	54-133	0.103	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	0.273	20	
Toluene	4.98	0.0250	5.00	ND	99.7	61-130	0.192	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	0.450	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.380	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	0.403	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Cedar 11 Southwest CTB 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/19/2024 3:28:13PM

Artesia NM, 88210		Project Manage		shley Gioveng	go			2	2/19/2024 3:28:13PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2407040-BLK1)							Prepared: 0	2/14/24 An	alyzed: 02/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
LCS (2407040-BS2)							Prepared: 0	2/14/24 An	alyzed: 02/14/24
Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			
Matrix Spike (2407040-MS2)				Source:	E402112-0	)1	Prepared: 0	2/14/24 An	alyzed: 02/15/24
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.97		8.00		99.7	70-130			
Matrix Spike Dup (2407040-MSD2)				Source:	E402112-0	)1	Prepared: 0	2/14/24 An	alyzed: 02/15/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	2.71	20	

8.00

7.86

98.2

70-130

Devon Energy - CarlsbadProject Name:Cedar 11 Southwest CTBReported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo2/19/20243:28:13PM

Artesia NM, 88210		Project Manager	r: As	hley Gioveng	go				2/19/2024 3:28:13PN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2407057-BLK1)							Prepared: 0	2/15/24 Ar	nalyzed: 02/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.9		50.0		108	50-200			
LCS (2407057-BS1)							Prepared: 0	2/15/24 Ar	nalyzed: 02/16/24
Diesel Range Organics (C10-C28)	299	25.0	250		119	38-132			
urrogate: n-Nonane	54.1		50.0		108	50-200			
Matrix Spike (2407057-MS1)				Source:	E402113-0	04	Prepared: 0	2/15/24 Ar	nalyzed: 02/16/24
Diesel Range Organics (C10-C28)	324	25.0	250	ND	130	38-132			
urrogate: n-Nonane	57.2		50.0		114	50-200			
Matrix Spike Dup (2407057-MSD1)				Source:	E402113-0	04	Prepared: 0	2/15/24 Ar	nalyzed: 02/16/24
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132	3.70	20	
urrogate: n-Nonane	55.2		50.0		110	50-200			

Matrix Spike Dup (2407043-MSD1)

Chloride

#### **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager	: 0	edar 11 Southv 1058-0007 shley Gioveng					<b>Reported:</b> 2/19/2024 3:28:13PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2407043-BLK1)							Prepared: 0	2/14/24 Aı	nalyzed: 02/14/24
Chloride	ND	20.0							
LCS (2407043-BS1)							Prepared: 0	2/14/24 Aı	nalyzed: 02/14/24
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2407043-MS1)				Source:	E402107-	03	Prepared: 0	2/14/24 Aı	nalyzed: 02/14/24
Chloride	250	20.0	250	ND	100	80-120			

250

20.0

Source: E402107-03

100

80-120

0.163

#### QC Summary Report Comment:

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



Prepared: 02/14/24 Analyzed: 02/14/24

20

### **Definitions and Notes**

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/19/24 15:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



EF	A Pr	ogra	ım
CV	VA	SD	WA
		RC	RA
Sta	ite		
UT	AZ	TX	
Rem	arks		

Client: D	levon				Bill To				Lat	o Us	e Onl	У				TA	AT	EPA P	rogram
Project: 0	Cedar 11 South	west CTB			Attention: Dale Woodall		Lab	WO#			Job N	lumb	er	1D	2D	3D	Standard	CWA	SDWA
Project N	Manager: Ashle	ey Gioven	go		Address: 205 E Bender Roa	ad #150	Er	WO# 102	113		010	58 -	-0007				X		
Address:	3122 Nationa	Parks Hy	ΛΥ		City, State, Zip: Hobbs NM.	1, 88240					Analys	is an	d Metho	d					RCRA
City, Stat	e, Zip: Carlsba	d NM, 88	3220		Phone: (575)748-1838			by											
Phone: 5	75-988-0055				Email: dale.woodall@dvn.d	com		80										State	
Email: a	giovengo@ens	olum.con	11					RO/0	п	0		0.0		N		J	NM CO	UT AZ	TX
Report d	ue by:							0/0	805	826	6010	300				¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		ТРН GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
9:35	2/12/2024	Soil	1		BH01 - 0'	1								X					
9:45	2/12/2024	Soil	1		BH01 - 1'	2								х					
9:49	2/12/2024	Soil	1		BH01 - 2'	3								х					
9:52	2/12/2024	Soil	1		BH02 - 0'	4								х					
10:11	2/12/2024	Soil	1		BH02 - 1'	5								х					
11:22	2/12/2024	Soil	1		BH03 - 0'	6								Х					
11:32	2/12/2024	Soil	1		BH03 - 1'	7								х					
11:45	2/12/2024	Soil	1		BH04 - 0'	8								х					
11:58	2/12/2024	Soil	1		BH04 - 1'	9								Х					
	al Instructions  ensolum.con		CC: cbu	ton@ensolur	m.com, agiovengo@ensolum.com	m, dale.woodall@	dvn.	com,	cham	ilto	n@ei	rsolu	ım.com,	eha	ft@e	nsol	um.com,		
I, (field sam		alidity and au	7		aware that tampering with or intentionally materials.  Sampled by: Israe		ation,										eceived on ice the da less than 6 °C on sub	Committee of the commit	pled or
~	ed by: (Signature)	J.	Date 0Z	/13/24 Time	Received by: (Signature) 13 Wichelle Gerry	Date 2-13-2	24	Time	113		Recei	ved	on ice:	1	ab U:	se On	ly		
Wil		1	Date 2 · l	3-24 70	Received by: (Signature)	o 2.13	24	Time 18	00		T1			T2			<u>T3</u>		
Relinquish	ed by: (Signature)	y So	Date	13.24 Time	Received by: (Signature)	2/14/	24	Time 07	00		AVG	Tem	°c 4						
Sample Mat	rix: S - Soil, Sd - Solid	l, Sg - Sludge	, A - Aqueou	s, O - Other		Containe	г Тур	e: g - g	lass,	o - p	oly/pl	astic,	ag - amt	er gl	ass, v	- VO	4		
					ess other arrangements are made. Hazar					r dis	posed	of at	the client	exper	nse. 1	he rep	oort for the anal	ysis of the a	bove sampl



envirotech

Printed: 2/14/2024 12:01:31PM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

Client: Devon Energy - Carlsbad	Date Received:	02/14/24	07:00	Work Order ID:	E402113
Phone: (505) 382-1211	Date Logged In:	02/13/24	16:38	Logged In By:	Raina Schwanz
Email: ashley.giovengo@wescominc.com	Due Date:	02/20/24	17:00 (4 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location	on match the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the COC complete, i.e., signatures, dates/times,	requested analyses?	Yes			
<ol> <li>Were all samples received within holding time?         Note: Analysis, such as pH which should be condition.         i.e, 15 minute hold time, are not included in this or     </li> </ol>	lucted in the field,	Yes	<b>F</b>	Commen	ts/Resolution
Sample Turn Around Time (TAT)  6. Did the COC indicate standard TAT, or Expedited T.	AT?	Yes			
Sample Cooler					
7. Was a sample cooler received?		Yes			
8. If yes, was cooler received in good condition?		Yes			
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
Was the sample received on ice? If yes, the recorded temp     Note: Thermal preservation is not required, if san     minutes of sampling     If no visible ice, record the temperature. Actual:	nples are received w/i 15	Yes <u>C</u>			
Sample Container					
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
16. Is the head space less than 6-8 mm (pea sized or less	ss)?	NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct con	tainers?	Yes			
19. Is the appropriate volume/weight or number of sample		Yes			
· · ·	containers conceicu.	103			
Field Label	ım information:		,		
20. Were field sample labels filled out with the minimu Sample ID?	mi momadon	Yes			
Date/Time Collected?		Yes			
Collectors name?		Yes			
Sample Preservation					
21. Does the COC or field labels indicate the samples	were preserved?	No			
22. Are sample(s) correctly preserved?	•	NA			
24. Is lab filteration required and/or requested for disso	olved metals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., m	ultinhase?	No			
27. If yes, does the COC specify which phase(s) is to b		NA			
• • • • • • • • • • • • • • • • • • • •	- manjew.	IVA			
Subcontract Laboratory		_			
28. Are samples required to get sent to a subcontract la		No	<b></b>		
29. Was a subcontract laboratory specified by the clien	t and if so who?	NA	Subcontract Lab: NA		
Client Instruction					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: Cedar 11 Southwest CTB

Work Order: E402282

Job Number: 01058-0007

Received: 2/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/29/24

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

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

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

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

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

Date Reported: 2/29/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Workorder: E402282

Project Name: Cedar 11 Southwest CTB

Date Received: 2/29/2024 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/29/2024 5:30:00AM, under the Project Name: Cedar 11 Southwest CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 Southwest CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

_			-	
Γ	Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
1	Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/29/24 15:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01A-0'	E402282-01A	Soil	02/27/24	02/29/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/29/2024 3:46:53PM

#### SS01A-0' E402282-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2409060
Benzene	ND	0.0250	1	02/29/24	02/29/24	
Ethylbenzene	ND	0.0250	1	02/29/24	02/29/24	
Toluene	ND	0.0250	1	02/29/24	02/29/24	
o-Xylene	ND	0.0250	1	02/29/24	02/29/24	
p,m-Xylene	ND	0.0500	1	02/29/24	02/29/24	
Total Xylenes	ND	0.0250	1	02/29/24	02/29/24	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	02/29/24	02/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2409060
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	02/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	02/29/24	02/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2409062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
Surrogate: n-Nonane		105 %	50-200	02/29/24	02/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2409061
Chloride	421	20.0	1	02/29/24	02/29/24	

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Matrix Spike Dup (2409060-MSD1)

7.40

4.77

4.85

4 82

4.80

9.78

14.6

7.43

#### **QC Summary Data**

Cedar 11 Southwest CTB Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 2/29/2024 3:46:53PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2409060-BLK1) Prepared: 02/29/24 Analyzed: 02/29/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 89.2 70-130 LCS (2409060-BS1) Prepared: 02/29/24 Analyzed: 02/29/24 3.92 78.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 3.97 0.0250 5.00 79.4 70-130 3.94 0.0250 5.00 78.9 70-130 Toluene 78.2 o-Xylene 3.91 0.0250 5.00 70-130 8.03 10.0 80.3 70-130 0.0500 p.m-Xvlene 79.6 11.9 15.0 70-130 Total Xylenes 0.0250 8.00 90.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.25 Matrix Spike (2409060-MS1) Source: E402281-02 Prepared: 02/29/24 Analyzed: 02/29/24 4.19 0.0250 5.00 ND 54-133 Benzene ND 85.2 61-133 Ethylbenzene 4.26 0.0250 5.00 Toluene 4.23 0.0250 5.00 ND 84.6 61-130 4.20 ND 83.9 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.61 0.0500 10.0 ND 86.1 63-131 0.0250 15.0 ND 63-131 Total Xylenes

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

70-130

54-133

61-133

61-130

63-131

63-131

63-131

70-130

12.9

12.9

12.9

13.5

12.7

13.0

Source: E402281-02

96.9

96.3

96.0

97.8

97.2

92.8

ND

ND

ND

ND

ND

ND



Prepared: 02/29/24 Analyzed: 02/29/24

20

20

20

20

20

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/29/2024 3:46:53PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			2/2	9/2024 3:46:53PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2409060-BLK1)							Prepared: 0	2/29/24 Analy	/zed: 02/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			
LCS (2409060-BS2)							Prepared: 0	2/29/24 Analy	zed: 02/29/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
Matrix Spike (2409060-MS2)				Source:	E402281-	02	Prepared: 0	2/29/24 Analy	zed: 02/29/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			
Matrix Spike Dup (2409060-MSD2)				Source:	E402281-	02	Prepared: 0	2/29/24 Analy	zed: 02/29/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	10.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		97.9	70-130			

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/29/2024 3:46:53PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			2/2	29/2024 3:46:53PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409062-BLK1)							Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			
LCS (2409062-BS1)							Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	233	25.0	250		93.2	38-132			
Surrogate: n-Nonane	43.1		50.0		86.2	50-200			
Matrix Spike (2409062-MS1)				Source:	E402229-	03	Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	7820	250	250	5750	830	38-132			M4
Surrogate: n-Nonane	111		50.0		221	50-200			S5
Matrix Spike Dup (2409062-MSD1)				Source:	E402229-	03	Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	8390	250	250	5750	NR	38-132	6.99	20	M4
Surrogate: n-Nonane	113		50.0		226	50-200			S5

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Cedar 11 Southwest CTB Project Number: 01058-0007		Reported:		
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/29/2024 3:46:53PM		

		Anions		Analyst: DT					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409061-BLK1)							Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Chloride	ND	20.0							
LCS (2409061-BS1)							Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2409061-MS1)				Source:	E402277-	02	Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Chloride	1680	100	250	1370	120	80-120			
Matrix Spike Dup (2409061-MSD1)				Source:	E402277-	02	Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Chloride	2070	100	250	1370	280	80-120	21.2	20	M4, R3

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

Γ	Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/29/24 15:46

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
ND	Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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

of_	)	Received by
7		ed by
		OCL
1		): 4/2:
1		OCD: 4/25/2024
-		12:48:5
		8:5

Client: Devon					Bill To						b Use Only TAT			EPA Program						
Project: Cedar 11					Attention: Dale Woodall	- 6	Lab	WO#			Job N	Vum	ber	1D	2D	3D	Sta	ndard	CWA	SDWA
Project Manager:	Ashley Gi	oveng	0		Address: 205 E Bender Road #15	)	Er	102	287	2	0105	13-	0007	X				7 7 7		0.5
Address: 3122 Na	tional Parl	ks Hw	У		City, State, Zip: Hobbs NM, 88240	)							nd Meth	bc						RCRA
City, State, Zip: C	arlsbad NN	M, 882	20		Phone: (575)748-1838			ρλ					1							
Phone: 575-988-	055				Email: dale.woodall@dvn.com			ORO											State	
Email: agiovengo	@ensolum	n.com					1	0/0				0		Σ				NM CO	UT AZ	TX
Report due by:								J/DF	802	3260	010	300		1	1	×	lt	×		
Time Date San	pled Ma	ntrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:47 2/27/2	024 Sc	oil	1		SS01A - 0'	1								х						
														-						
Additional Instru	tions: Pl	ease C	CC: cbur	ton@ensolum.	com, agiovengo@ensolum.com, dale	.woodall@d	dvn.	com, c	cham	nilto	n@en	isolu	ım.com	, iesti	ella(	@ens	olum.	com		
, (field sampler), attest date or time of collectio				and the first of the first of the first	ware that tampering with or intentionally mislabelli tion. <u>Sampled by:</u> Cole Burton	ng the sample lo	cation	n,										n ice the day 6°C on subs	they are samp equent days.	led or
Relinquished by: (Sign	Pur	en	_	28-24 7:	Received by: (Signature)	2.28	. 24	Time /	050	0	Rece	ived	on ice:		ab U	se Or	nly			
Relinquished by: (Sign	M				710 Received My (Signature)	Z-2	8	Time /	74	9	<u>T1</u>			<u>T2</u>			_ :	Г3		
Relinquished by: (Sign	ature)		Date	29 Time	Received by: (Signature)	2-29-	24		530				np °C							
Sample Matrix: <b>S</b> - Soil, <b>S</b>						Containe														
Inte Samples are dis	arded 30 da	ays after	r results a	ire reported unless	other arrangements are made. Hazardous sa	imples will be	retur	ned to	client	t or di	sposed	d of a	t the clier	nt expe	ense.	The re	eport fo	or the ana	lysis of the	above



Printed: 2/29/2024 8:28:49AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

Client: Devon Energy - Carlsbad	ate Received:	02/29/24	05:30	Work Order ID:	E402282
Phone: (505) 382-1211	ate Logged In:	02/28/24	15:52	Logged In By:	Alexa Michaels
Email: ashley.giovengo@wescominc.com E	Due Date:	02/29/24	17:00 (0 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location match	the COC	Yes			
Were samples dropped off by client or carrier?		Yes	Carrier: Courier		
Was the COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
<ol> <li>Were all samples received within holding time?</li> <li>Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disussion.</li> </ol>		Yes		Commen	ts/Resolution
Sample Turn Around Time (TAT)					
5. Did the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample Cooler					
7. Was a sample cooler received?		Yes			
B. If yes, was cooler received in good condition?		Yes			
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
• • •	K0170C				
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are minutes of sampling 13. If no visible ice, record the temperature. Actual sample te	eccived w/i 15	Yes C			
Sample Container		-	ĺ		
4. Are aqueous VOC samples present?		No			
5. Are VOC samples collected in VOA Vials?		NA			
6. Is the head space less than 6-8 mm (pea sized or less)?		NA			
7. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct containers?		Yes			
19. Is the appropriate volume/weight or number of sample containers:	s collected?	Yes			
	s concea:	163			
Field Label 20. Were field sample labels filled out with the minimum inform	nation				
Sample ID?	iatioit	Yes			
Date/Time Collected?		Yes			
Collectors name?		Yes			
Sample Preservation					
21. Does the COC or field labels indicate the samples were pres	erved?	No			
22. Are sample(s) correctly preserved?		NA			
24. Is lab filteration required and/or requested for dissolved met	als?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multiphase.	,	No			
27. If yes, does the COC specify which phase(s) is to be analyze		NA			
		INM			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laboratory		No			
29. Was a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
Client Instruction					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: Cedar 11 Southwest CTB

Work Order: E402285

Job Number: 01058-0007

Received: 2/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/6/24

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

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

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

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

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

Date Reported: 3/6/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Cedar 11 Southwest CTB

Workorder: E402285

Date Received: 2/29/2024 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/29/2024 5:30:00AM, under the Project Name: Cedar 11 Southwest CTB.

The analytical test results summarized in this report with the Project Name: Cedar 11 Southwest CTB apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

_			-	
ſ	Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	Reported:
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/06/24 12:23

Client Sample ID	Lab Sample ID M	Matrix	Sampled	Received	Container
SS02A-0'	E402285-01A	Soil	02/27/24	02/29/24	Glass Jar, 2 oz.



# Sample Data

Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 12:23:22PM

### SS02A-0' E402285-01

		E-102203-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2409060
Benzene	ND	0.0250	1	02/29/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/01/24	
Toluene	ND	0.0250	1	02/29/24	03/01/24	
p-Xylene	ND	0.0250	1	02/29/24	03/01/24	
o,m-Xylene	ND	0.0500	1	02/29/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/01/24	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2409060
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2410040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		87.2 %	50-200	03/05/24	03/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: IY		Batch: 2409061
Chloride	64.4	20.0	1	02/29/24	02/29/24	
moriae	0	20.0				



### **QC Summary Data**

Cedar 11 Southwest CTB Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 3/6/2024 12:23:22PM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2409060-BLK1) Prepared: 02/29/24 Analyzed: 02/29/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 89.2 70-130 LCS (2409060-BS1) Prepared: 02/29/24 Analyzed: 02/29/24 3.92 78.4 70-130 5.00 Benzene 0.0250 Ethylbenzene 3.97 0.0250 5.00 79.4 70-130 3.94 0.0250 5.00 78.9 70-130 Toluene 78.2 o-Xylene 3.91 0.0250 5.00 70-130 8.03 10.0 80.3 70-130 0.0500 p.m-Xvlene 79.6 11.9 15.0 70-130 Total Xylenes 0.0250 8.00 90.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.25 Matrix Spike (2409060-MS1) Source: E402281-02 Prepared: 02/29/24 Analyzed: 02/29/24 4.19 0.0250 5.00 ND 54-133 Benzene ND 85.2 61-133 Ethylbenzene 4.26 0.0250 5.00 Toluene 4.23 0.0250 5.00 ND 84.6 61-130 4.20 ND 83.9 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.61 0.0500 10.0 ND 86.1 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.40 8.00

Source: E402281-02

96.9

96.3

96.0

97.8

97.2

92.8

54-133

61-133

61-130

63-131

63-131

63-131

70-130

12.9

12.9

12.9

13.5

12.7

13.0

ND

ND

ND

ND

ND

ND



Prepared: 02/29/24 Analyzed: 02/29/24

20

20

20

20

20

Matrix Spike Dup (2409060-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

4.77

4.85

4 82

4.80

9.78

14.6

7.43

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

5.00

5.00

5.00

10.0

15.0

8.00

Matrix Spike Dup (2409060-MSD2)

55.8

7.84

20.0

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Devon Energy - CarlsbadProject Name:Cedar 11 Southwest CTBReported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo3/6/2024 12:23:22PM

Artesia NM, 88210		Project Manager	r: As	shley Gioveng	go			3	3/6/2024 12:23:22PM
		Analyst: BA							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409060-BLK1)							Prepared: 0	2/29/24 An	alyzed: 02/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			
LCS (2409060-BS2)							Prepared: 0	2/29/24 An	alyzed: 02/29/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
Matrix Spike (2409060-MS2)				Source:	E402281-	02	Prepared: 0	2/29/24 An	alyzed: 02/29/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

50.0

8.00

Source: E402281-02

112

97.9

ND

Prepared: 02/29/24 Analyzed: 02/29/24

20

10.8

70-130

70-130

# **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Cedar 11 Southwest CTB 01058-0007	Reported:
Artesia NM, 88210	Project Number: Project Manager:	Ashley Giovengo	3/6/2024 12:23:22PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			3	3/6/2024 12:23:22PN			
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: H												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2410040-BLK1)							Prepared: 0	3/05/24 An	alyzed: 03/05/24			
tiesel Range Organics (C10-C28)	ND	25.0										
vil Range Organics (C28-C36)	ND	50.0										
urrogate: n-Nonane	44.3		50.0		88.7	50-200						
CS (2410040-BS1)							Prepared: 0	3/05/24 An	alyzed: 03/05/24			
viesel Range Organics (C10-C28)	256	25.0	250		102	38-132						
urrogate: n-Nonane	46.7		50.0		93.3	50-200						
Matrix Spike (2410040-MS1)				Source:	E402287-	03	Prepared: 0	3/05/24 An	alyzed: 03/05/24			
riesel Range Organics (C10-C28)	266	25.0	250	ND	107	38-132						
urrogate: n-Nonane	49.7		50.0		99.4	50-200						
Matrix Spike Dup (2410040-MSD1)				Source:	E402287-0	03	Prepared: 0	3/05/24 An	alyzed: 03/05/24			
tiesel Range Organics (C10-C28)	243	25.0	250	ND	97.1	38-132	9.28	20				
urrogate: n-Nonane	43.9		50.0		87.7	50-200						



# **QC Summary Data**

	Anions by EPA 300.0/9056A										
Artesia NM, 88210		3/6/2024 12:23:22PM									
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Cedar 11 Southwest CTB 01058-0007		Reported:							

Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409061-BLK1)							Prepared: 02	2/29/24 <i>F</i>	Analyzed: 02/29/24
Chloride	ND	20.0							
LCS (2409061-BS1)							Prepared: 02	2/29/24 <i>A</i>	Analyzed: 02/29/24
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2409061-MS1)				Source:	E402277-	02	Prepared: 02	2/29/24 <i>A</i>	Analyzed: 02/29/24
Chloride	1680	100	250	1370	120	80-120			
Matrix Spike Dup (2409061-MSD1)				Source:	E402277-	02	Prepared: 02	2/29/24 <i>A</i>	Analyzed: 02/29/24
Chloride	2070	100	250	1370	280	80-120	21.2	20	M4, R3

#### QC Summary Report Comment:

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



### **Definitions and Notes**

ſ	Devon Energy - Carlsbad	Project Name:	Cedar 11 Southwest CTB	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/06/24 12:23

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: De	evon				Bill To			L	ab U	se On	nlv		_		TAT		EPA P	rogram
	edar 11 Sout				Attention: Dale Woodall		Lab WO				Number	10	20			tandard	CWA	SDW
	anager: Ashle				Address: 205 E Bender Road #		E402	28	5	010	58-0007					х		
	3122 Nationa				City, State, Zip: Hobbs NM, 88	3240		_		Analy	sis and Meth	od						RCR/
	, Zip: Carlsba 75-988-0055	d NM, 88	3220		Phone: (575)748-1838		γd C											
	ovengo@ens	olum con	n		Email: dale.woodall@dvn.con	1	/OR						.			NM CO	State	TV
Report du		olulli.com					TPH GRO/DRO/ORO by	170	260	010	300.0	Z	2	×		NIVI CO	UT AZ	1X
Time		54 9000	No. of	722		Lab	GRO,	by 8	by 8	ols 60	ide	0	3	V		×		
Sampled	Date Sampled	Matrix	Containers	Sample ID		Number	TPH (	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	200	GDOC			Remarks	
8:44	2/27/2024	Soil	1		SS02A - 0'	1						>	(					
						7						T						
								-				+	+	-	1	-		
								-				-	-	-	-			
												T		T				
												t	+		+	-		
Additional	Instructions:	Please	CC: cbur	ton@ensolum.	com, agiovengo@ensolum.com, d	ale.woodall@d	dvn.com,	char	nilto	n@er	nsolum.com	, ies	trella	en@en	solun	n.com		_
					ware that tampering with or intentionally misla						es requiring thermal						they are samp	led or
ate or time of	f collection is cons	idered fraud	and may be	grounds for legal ac	tion. Sampled by: Cole Burt					receive	d packed in ice at a	n avg t	emp ab	ove 0 bu	ut less th	an 6 °C on subse	quent days.	
elinguished	by: (Signature)		Date	28-24 Time 7:	Received by: (Signature)	2-28.	24 Time	050		Rece	eived on ice:		Lab U		only	*		
	by: (Signature)		Date	Time	Received by: (Signature)	Date 2-1	Time		9		ived of fee.							
elnavished	by: (Signature)	_	Date	28. 24 1	Received by: (Signature)	Date	Time	17	1	T1_		<u>T2</u>			_	<u>T3</u>		
1	ho U				405 West A DILAN		30,000			AVIC	Toma Oc	11						
1/	n				405 Kinhoh O 4400	2-29-2	30,000	530		AVG	Temp °C	0						



Printed: 2/29/2024 10:49:31AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If

Client:	Devon Energy - Carlsbad	Date Received:	02/29/24 (	5:30		Work Order ID:	E402285
hone:	(505) 382-1211 E	Date Logged In:	02/28/24	6:08		Logged In By:	Alexa Michaels
mail:	ashley.giovengo@wescominc.com	Due Date:	03/06/24	17:00 (4 day TAT)			
Chain o	f Custody (COC)						
. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: Cor	urier		
I. Was tl	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes				
i. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disussion.		Yes	_		Commen	ts/Resolution
	Turn Around Time (TAT) ne COC indicate standard TAT, or Expedited TAT?		Yes				
	• •		103				
Sample	<del></del>		Yes				
	sample cooler received? , was cooler received in good condition?		Yes	ŀ			
	<del>-</del>			ŀ			
	he sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
	the sample received on ice? If yes, the recorded temp is 4°C, i.e.  Note: Thermal preservation is not required, if samples are reminutes of sampling	eceived w/i 15	Yes				
	visible ice, record the temperature. Actual sample to	трегасие. <u>4</u>	<u>u</u>	•			
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA	ľ			
	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes				
Field La	<del></del>						
	e field sample labels filled out with the minimum inform	nation:		}			
	Sample ID?		Yes				
	Date/Time Collected?		Yes			•	
	Collectors name?		Yes				
	<u>Preservation</u> s the COC or field labels indicate the samples were pres	ensed?	No				
	•	er vea :	NA				
	sample(s) correctly preserved? b filteration required and/or requested for dissolved met	tale?					
		misi	No				
	ase Sample Matrix	_					
	s the sample have more than one phase, i.e., multiphase		No				
27. If ye	s, does the COC specify which phase(s) is to be analyze	ed?	NA				
Subcont	tract Laboratory						
	samples required to get sent to a subcontract laboratory	?	No				
	a subcontract laboratory specified by the client and if s		NA	Subcontract Lab: 1	NA		
Client I	Instruction						
							_
Signa	ature of client authorizing changes to the COC or sample dispo	sition.			Da	ıte	envii



# **APPENDIX E**

**Email Correspondence** 

SIGN-IN HELP



Searches V Operator Data V Hearing Fee Application

# **OCD Permitting**

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

### [NOTIFY] Notification Of Liner Inspection (C-141L) Application

#### **Submission Information**

Submission ID: 309514 Districts: Artesia

Operator: [6137] DEVON ENERGY PRODUCTION COMPANY, LP Counties: Eddy

**Description:** DEVON ENERGY PRODUCTION COMPANY, LP [6137]

, CEDAR 11 SOUTHWEST CTB

, nAPP2401035055

Status: APPROVED

**Status Date:** 01/30/2024

**References (2):** fAPP2123645922, nAPP2401035055

#### **Forms**

This application type does not have attachments.

#### Questions

#### Prerequisites

Incident ID (n#) nAPP2401035055

Incident Name NAPP2401035055 CEDAR 11 SOUTHWEST CTB @ 0

Incident Type Oil Release

Incident Status Initial C-141 Approved

Incident Facility [fAPP2123645922] CEDAR 11 SOUTHWEST CTB

#### Location of Release Source

Site Name CEDAR 11 SOUTHWEST CTB

Date Release Discovered 01/09/2024

Surface Owner Federal

#### **Liner Inspection Event Information**

Please answer all the questions in this group.

What is the liner inspection surface area in square feet 9,050

Have all the impacted materials been removed from the liner

Yes

Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A 02/05/2024

of 19.15.29.11 NMAC

Time liner inspection will commence 09:00 AM

Warning: Notification can not be less than two business days prior to conducting liner inspection.

Please provide any information necessary for observers to liner inspection

Ashley Giovengo Senior Engineer 575-988-0055

Please provide any information necessary for navigation to liner inspection site M-11-21S-27E (32.49017, -104.16796)

#### Acknowledgments

This submission type does not have acknowledgments, at this time.

#### Comments

No comments found for this submission.

#### Conditions

Summary: wdale (1/30/2024), Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the

inspection not being accepted.

#### Reasons

No reasons found for this submission.

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EMNRD Home

OCD Main Page

OCD Rules

leln

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

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

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

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

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

QUESTIONS

Action 335154

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	335154
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2401035055	
Incident Name	NAPP2401035055 CEDAR 11 SOUTHWEST CTB @ 0	
Incident Type	Oil Release	
Incident Status	Deferral Request Received	
Incident Facility	[fAPP2123645922] CEDAR 11 SOUTHWEST CTB	

Location of Release Source		
Please answer all the questions in this group.		
Site Name CEDAR 11 SOUTHWEST CTB		
Date Release Discovered	01/09/2024	
Surface Owner Federal		

Incident Details		
Please answer all the questions in this group.		
Incident Type	Oil 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 for	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Coupling   Crude Oil   Released: 18 BBL   Recovered: 18 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Lease Op was recirculating the VRT to clean bottoms out. When 3" Victaulic clamp on inlet line to the circulating pump pooped off. Spilling oil into the secondary containment.

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

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

QUESTIONS, Page 2

Action 335154

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	
QUESTI	ONS (continued)
Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 335154 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a s	rafety hazard that would result in injury
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional

Email: Dale.Woodall@dvn.com

Date: 04/18/2024

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

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

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

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

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

QUESTIONS, Page 3

Action 335154

**QUESTIONS** (continued)

Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	335154	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

#### QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Between 1 and 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 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan	
Please answer all the questions that apply or are indicated. This informat	on must be provided to the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical exte	nts 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 fu	ly delineated Yes
Was this release entirely contained within a lined containmer	t area No
Soil Contamination Sampling: (Provide the highest observable	value for each, in milligrams per kilograms.)
Chloride (EPA 300.0 or SM4500 Cl B)	2060
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M	0
GRO+DRO (EPA SW-846 Method 8015)	<i>n</i> ) 0
BTEX (EPA SW-846 Method 8021	8 or 8260B) 0
Benzene (EPA SW-846 Method 8021	3 or 8260B) 0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the	port includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, remediation.
On what estimated date will the remediation commence	01/10/2070
On what date will (or did) the final sampling or liner inspection	occur 02/05/2024
On what date will (or was) the remediation complete(d)	01/10/2070
What is the estimated surface area (in square feet) that will b	e reclaimed 9774
What is the estimated volume (in cubic yards) that will be rec	aimed 362
What is the estimated surface area (in square feet) that will b	e remediated 9774
What is the estimated volume (in cubic yards) that will be remediated 362	
These estimated dates and measurements are recognized to be the best g	uess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be	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.

**District I** 

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 335154

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	335154
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### 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 <b>off-site</b> 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	deferral	

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.

I hereby agree and sign off to the above statement

Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com

Date: 04/25/2024

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

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 5

Action 335154

**QUESTIONS** (continued)

OGRID:

DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	335154	
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)	
QUESTIONS		
Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	production equipment	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	9774	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	362	
	liately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when	
Enter the facility ID (f#) on which this deferral should be granted	CEDAR 11 SOUTHWEST CTB [fAPP2123645922]	
Enter the well API (30-) on which this deferral should be granted	Not answered.	
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale:Woodall@dvn.com Date: 04/25/2024	

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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 6

Action 335154

QUESTIONS (continued)

DEVON ENERGY PRODUCTION COMPANY, LP			6137			
	333 West Sheridan Ave.	7	Action Number:			
	Oklahoma City, OK 73102		335154			
		7	Action Type:			
			[C-141] Deferral Request C-141 (C-141-v-Deferral)			
QUESTIONS						
Sampling Event Information						
	Last sampling notification (C-141N) recorded	{Unavailable.}				
Remediation Closure Request						
0	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 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 335154

#### **CONDITIONS**

Operator:	OGRID:		
DEVON ENERGY PRODUCTION COMPANY, LP	6137		
333 West Sheridan Ave.	Action Number:		
Oklahoma City, OK 73102	335154		
	Action Type:		
	[C-141] Deferral Request C-141 (C-141-v-Deferral)		

#### CONDITIONS

Created By	Condition	Condition Date
rhamlet	Devon's deferral requests final remediation for (Incident Number NAPP2401035055) until final reclamation of the well pad or major construction, whichever comes first. Ensolum and Devon do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The area requested for deferral is the area underneath the liner, which include sample areas (BH02, BH03, and BH04). At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	5/21/2024