



# SITE CHARACTERIZATION AND REMEDIATION PLAN

*Prepared For:*

*Devon Energy Production Company, LP*

*5315 Buena Vista Dr.*

*Carlsbad, NM 88220*

*Site Information:*

**Flagler 8 CTB 1**

**Incident Number nAPP2328556508**

*Unit M, Section 8, Township 25 South, Range 33 East*

*Lea County, New Mexico*

*(32.13873°, -103.59416°)*

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## SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Site Characterization and Remediation Plan (SCRP) detailing delineation soil sampling activities and subsequent confirmation soil sampling activities, associated with an inadvertent release of crude oil at the Flagler 8 CTB 1 (Site). Based on laboratory analytical results, Devon proposes this SCR, which summarizes initial response efforts, sampling activities and details remediation objectives to rectify environmental impacts.

## SITE LOCATION AND RELEASE BACKGROUNDS

The Site was reported on the Form C-141 to be located in Unit O, Section 8, Township 25 South, Range 33 East, in Lea County, New Mexico (32.13873°, -103.59416°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The location of the release is located northwest of the original provided coordinates in Unit M, Section 8, Township 25 South, Range 33 East, in Lea County, New Mexico (32.14012°, -103.60081°) (**Figure 1** in **Appendix A**).

On October 10, 2023, the rupture of a subsurface flowline caused 7.5 barrels (bbls) of crude oil to be released onto the production pad surface. A vacuum truck was immediately dispatched and recovered approximately 3 bbls of free-standing fluids. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on October 16, 2023, and was subsequently assigned Incident Number nAPP2328556508. **Figure 2** in **Appendix A** depicts the observed release area, hereafter referred to as the Area of Concern (AOC).

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to 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) considering depth to ground water and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be between 51 and 100 feet below ground surface (bgs) based off a nearby soil boring advanced by Atkins Engineering Associates, Inc., located approximately ½-mile east to southeast of the Site. Soil boring (C-04627-POD1) was advanced on June 7, 2022, via a truck mounted drill rig equipped with a hollow stem auger to total depth of 55 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation

period, the boring was plugged and abandoned according to the appropriate regulations. The referenced well record is provided in **Appendix B**.

All potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1A**, **Figure 1B**, and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria <sup>†</sup>
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B/8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B/8260B	50 mg/kg

<sup>†</sup>The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

## DELINEATION SOIL SAMPLING ACTIVITIES

On August 30, 2024, and September 5, 2024, Etech conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Eight delineation potholes (PH01 through PH08) were advanced within and around the AOC. Due to the safety constraints administered by the presence of subsurface utilities, the potholes were advanced to 4 feet bgs by non-mechanical means via hydrovac and then followed by soil sample collection via hand auger and/or hand shovel. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips in accordance with Site Closure Criteria or until refusal, whichever was encountered first. A minimum of two soil samples were collected from each delineation soil sampling location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

## DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples collected outside the AOC periphery (PH05 through PH08) indicated concentrations of the COCs were below the Site Closure Criteria.

With the exception of soil sampling location PH04, laboratory analytical results for the soil samples collected within the AOC (PH01 through PH03) indicated elevated TPH-GRO+TPH-DRO and/or TPH exceeded the Site Closure Criteria up to 4 feet bgs. Residual TPH impacts are characterized by concentrations ranging from 6,160 mg/kg to 20,200 mg/kg.

Laboratory analytical results for PH04, collected from within the southern portion of the AOC, indicated concentrations of the COCs were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody form and laboratory reports are provided in **Appendix F**.

### **CONFIRMATION SOIL SAMPLING ACTIVITIES**

Concurrently with delineation activities, Etech collected 5-point composite confirmation soil samples within the AOC at a sampling frequency representing no more than 200 square feet per soil composite soil sample (FS01 through FS14 and SW01 through SW08). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Confirmation soil samples were field screened, handled and analyzed as previously described. The locations of the confirmation soil samples are shown in **Figure 3** in **Appendix A**. Photographic documentation during soil sampling activities is included in **Appendix D**.

### **CONFIRMATION LABORATORY ANALYTICAL RESULTS**

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria, except for soil samples FS01 and FS02. Laboratory analytical results for FS01 and FS02 indicated elevated TPH-GRO+TPH-DRO and/or TPH exceeded the applicable Site Closure Criteria. Residual TPH impacts are characterized by concentrations of 3,840 mg/kg and 16,900 mg/kg, respectively. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody form and laboratory reports are provided in **Appendix F**.

### **PROPOSED REMEDIATION WORK PLAN**

Based on the delineation soil sampling results, the following conclusions regarding the inadvertent release are presented:

- Laboratory analytical results indicated TPH concentrations appear to exist in the proximity of sample locations PH01 through PH03 up to 4 feet bgs. Further investigation is necessary to determine the vertical extent of residual impacts associated with PH03.
- Laboratory analytical results for delineation soil samples collected from PH04 through PH08 indicated COC concentrations were below the Site Closure Criteria, which will assist with defining the lateral extent of impacts associated with the AOC.
- Laboratory analytical results for the confirmation soil samples indicated concentrations of COCs were below the Site Closure Criteria, except soil samples FS01 and FS02.

Based on the conclusions drawn above, Devon proposes the following remedial corrective action options:

- Devon proposes to investigate the extent of residual impacts in proximity to PH03 via mechanical equipment (**Figure 4** in **Appendix A**). Soil samples will be collected and handled as described above and submitted to an accredited laboratory for analysis of TPH, BTEX and chloride. Soil sample locations will be mapped using a handheld GPS unit.
- Once, the extent of residual impacts within in proximity to PH03 have been identified, residual impacted soil will be excavated via mechanical equipment to the Maximum Extent Practical (MEP) and nondestructive techniques based on delineation analytical results and field screening soil for VOCs and chlorides.
- A hydro excavation within the proximity of PH01 and PH02 up to up to 2 feet bgs within PH01 and up to 4 feet bgs within PH02. (**Figure 4** in **Appendix A**). Approximately 919 square feet and 88 cubic yards (CY) are anticipated to be excavated within PH01 and PH02.



- The proposed delineation and/or excavation will likely require operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. Devon and/or a third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
  - Shifting the proposed delineation locations and/or excavation extent to adhere to established buffer zone(s) around one or more utilities.
  - Inducing a change in proposed delineation and/or excavation depth(s) around one or more utilities.
- Upon receipt and review of delineation soil laboratory analytical results, Devon will determine the appropriate measure of corrective actions that will include:
  - Removal of soil to the MEP as proposed in this SCRP and documenting and estimating an amount of impacted soil to be left in place at the Site with a subsequent Deferral Report detailing remediation efforts and soil sampling activities or
  - Preparing a SCRP Addendum (SCRPA) detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from assessment and delineation activities.

### PROPOSED SCHEDULE

Upon the notice of NMOCD approval of this SCRP, Devon will begin the proposed remediation activities outlined above and provide a report detailing completed remediation activities for Incident Number nAPP2328556508.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (432) 305-6413 or [joseph@etechenv.com](mailto:joseph@etechenv.com) or Erick Herrera (432) 305-6416 or [erick@etechenv.com](mailto:erick@etechenv.com). **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,  
Etech Environmental and Safety Solutions, Inc.



Erick Herrera  
Staff Geologist



Joseph S. Hernandez  
Senior Managing Geologist

cc: Jim Raley, Devon  
New Mexico Oil Conservation Division  
Bureau of Land Management

**Appendices:**

**Appendix A:** Figure 1: Site Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Subsurface Receptors

Figure 2: Delineation Soil Sample Locations

Figure 3: Confirmation Soil Sample Locations

Figure 4: Proposed Future Remediation Areas

**Appendix B:** Referenced Well Records

**Appendix C:** Soil Sampling Logs

**Appendix D:** Photographic Log

**Appendix E:** Tables

**Appendix F:** Laboratory Analytical Reports & Chain-of-Custody Documentation

**Appendix G:** Correspondence & Notifications

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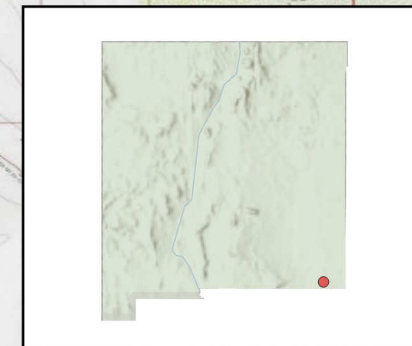
# APPENDIX A

## Figures

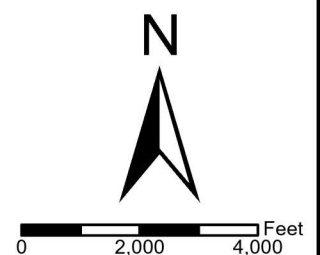
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P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

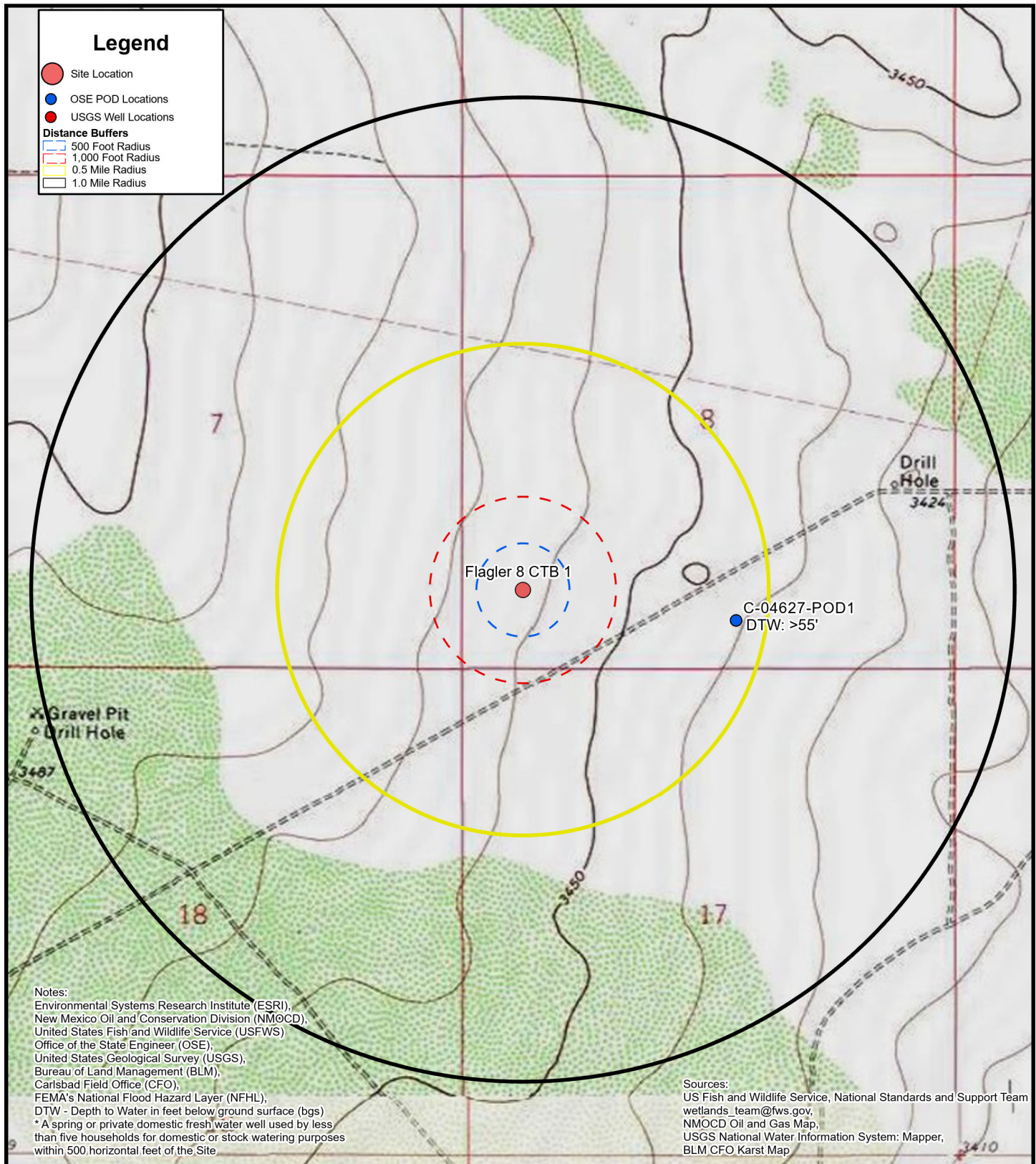




## Site Location Map

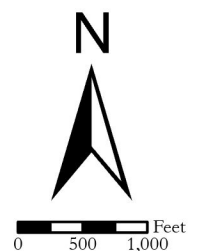




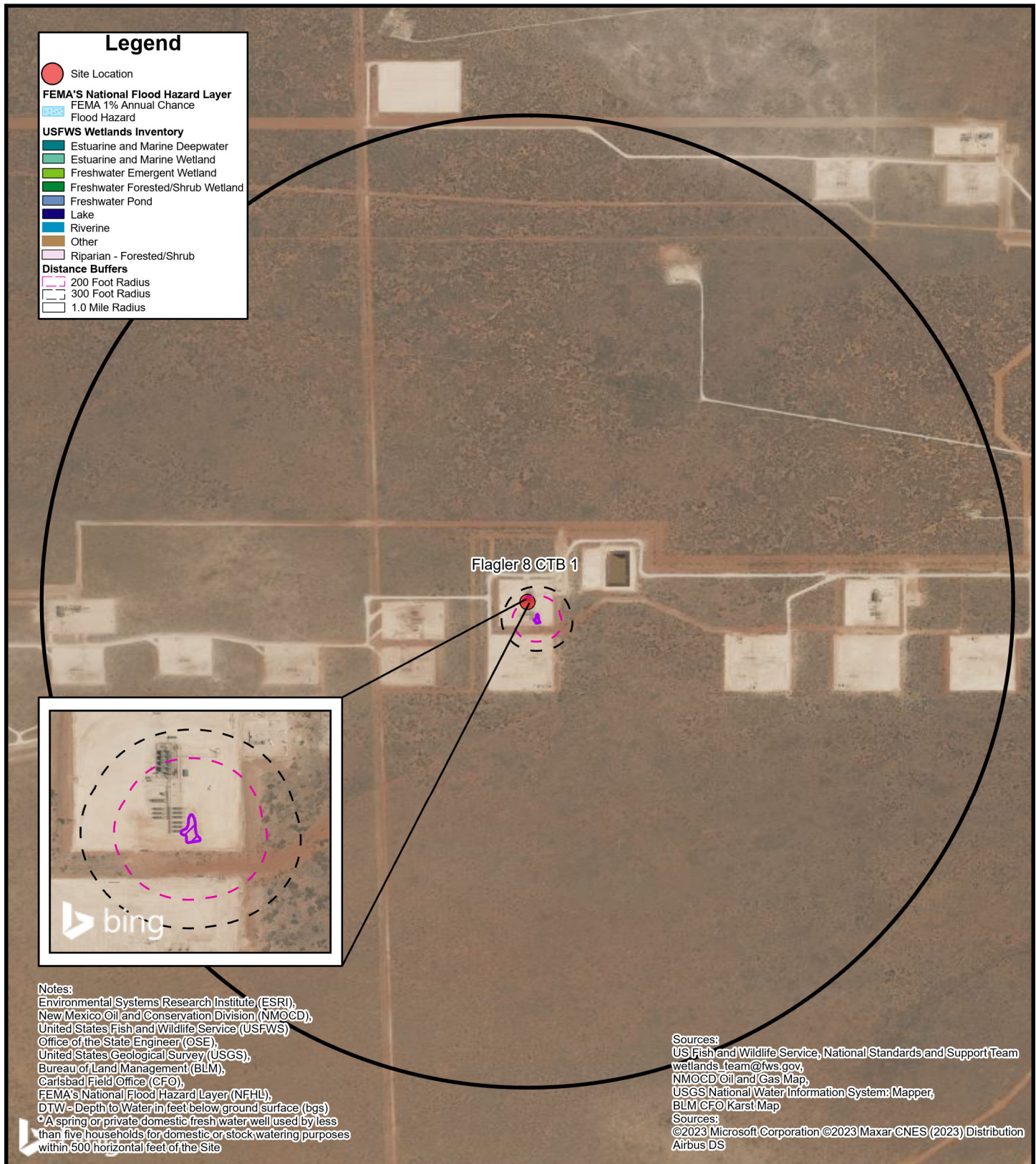


# FIGURE 1A Site Characterization Map Groundwater

Devon Energy Production Company, LP  
Flagler 8 CTB 1  
Unit M Sec 8 T25S R33E  
Lea County, New Mexico

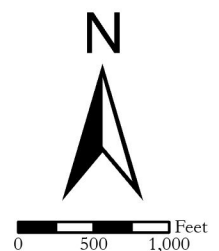


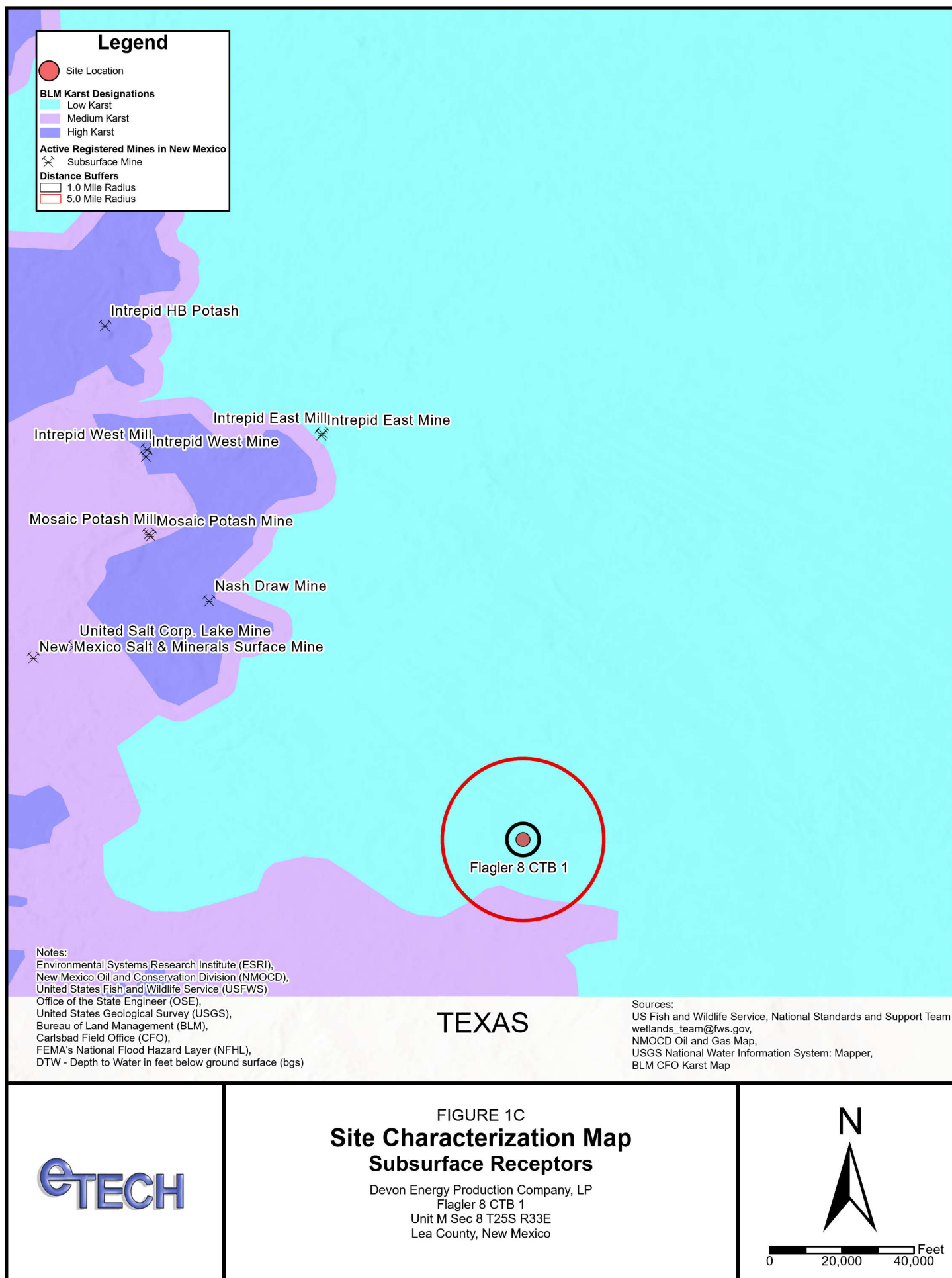




# FIGURE 1B Site Characterization Map Surficial Receptors

Devon Energy Production Company, LP  
 Flagler 8 CTB 1  
 Unit M Sec 8 T25S R33E  
 Lea County, New Mexico







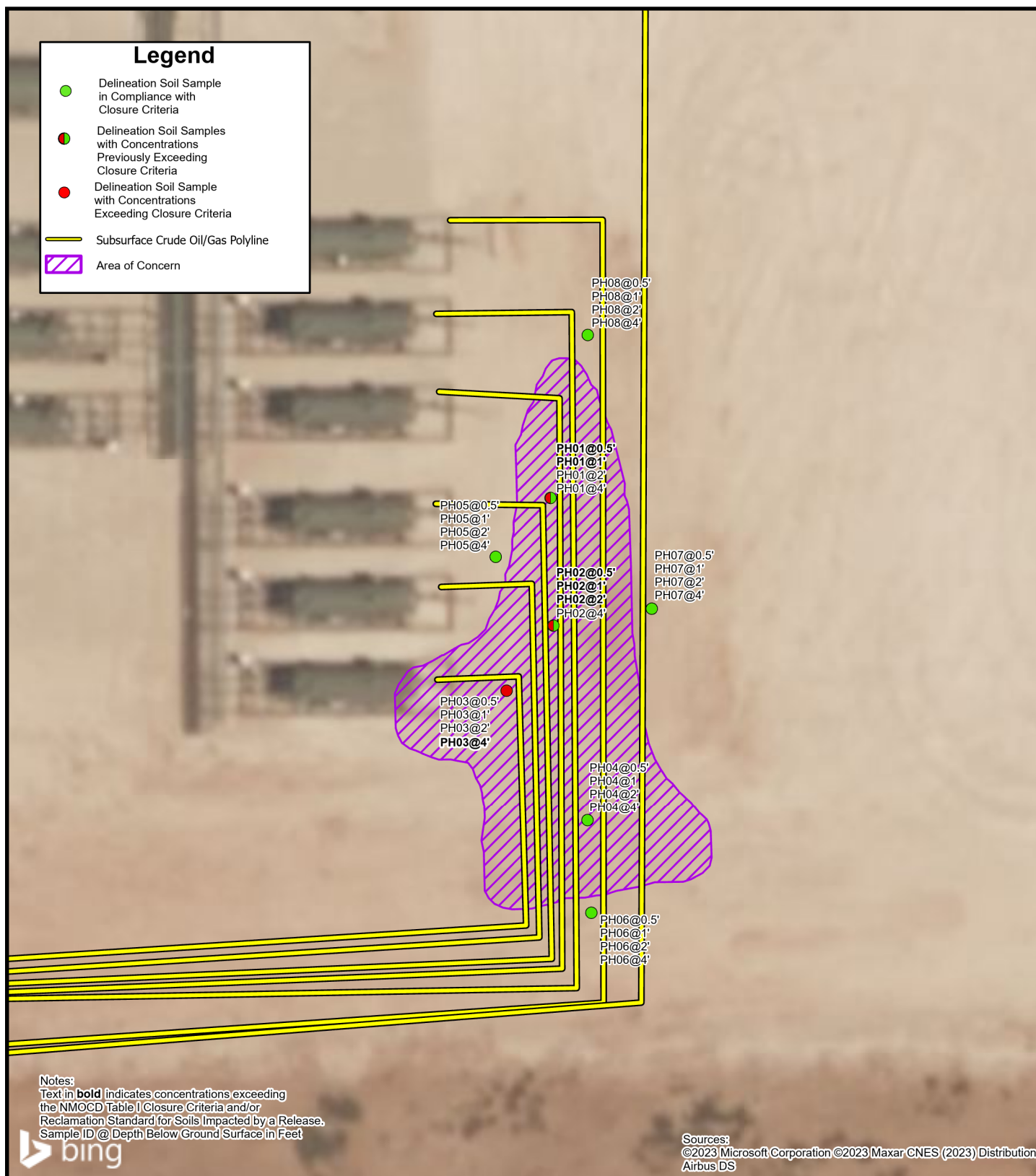
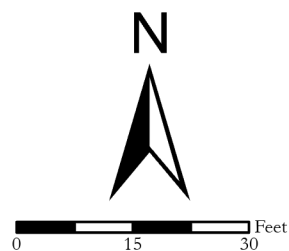


FIGURE 2

## Delineation Soil Sample Locations

Devon Energy Production Company, LP  
Flagler 8 CTB 1  
Unit M Sec 8 T26S R33E  
Lea County, New Mexico

eTECH



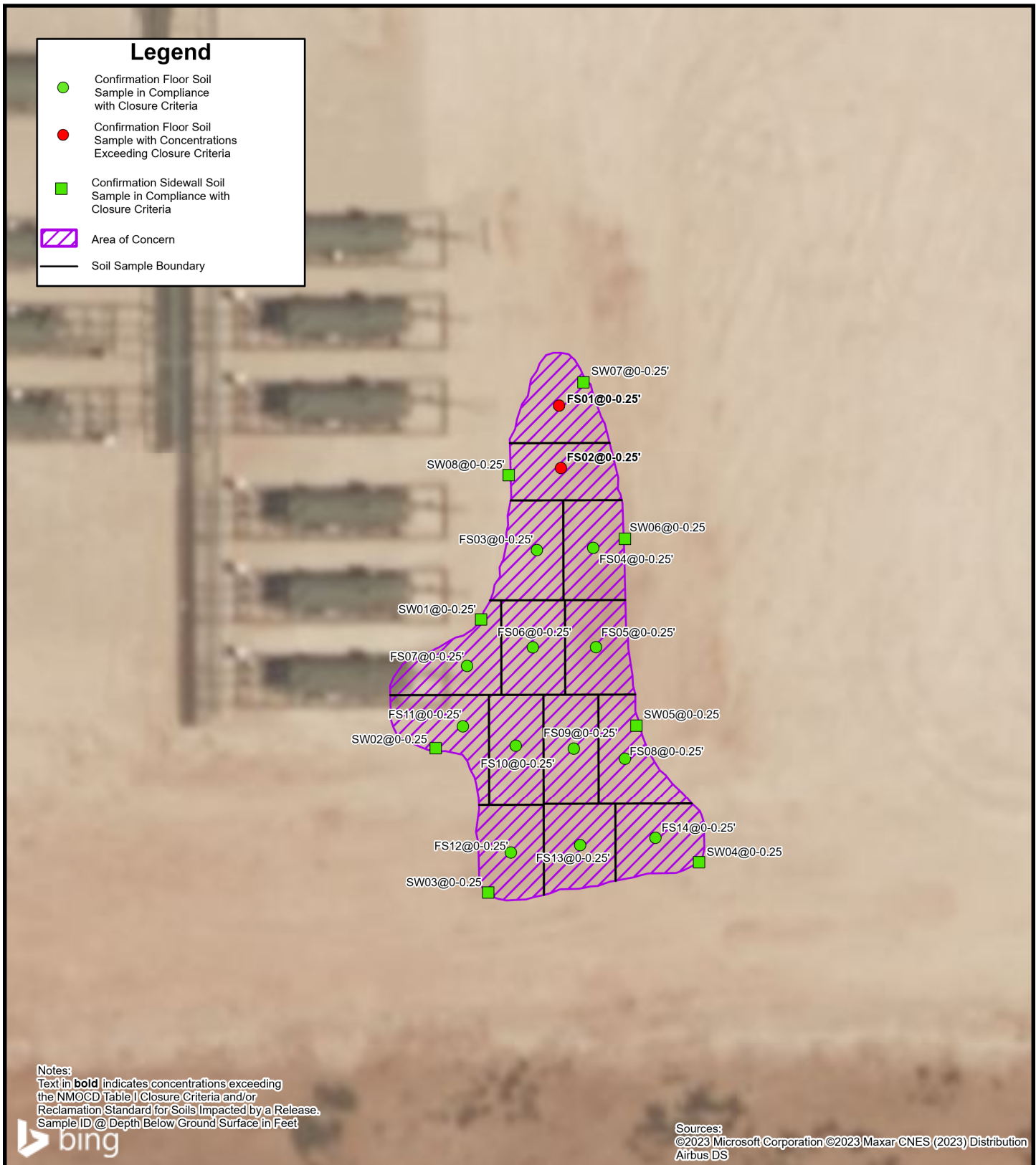


FIGURE 3

## Confirmation Soil Sample Locations

Devon Energy Production Company, LP  
Flagler 8 CTB 1  
Unit M Sec 8 T26S R33E  
Lea County, New Mexico

N



0 15 30 Feet

eTECH

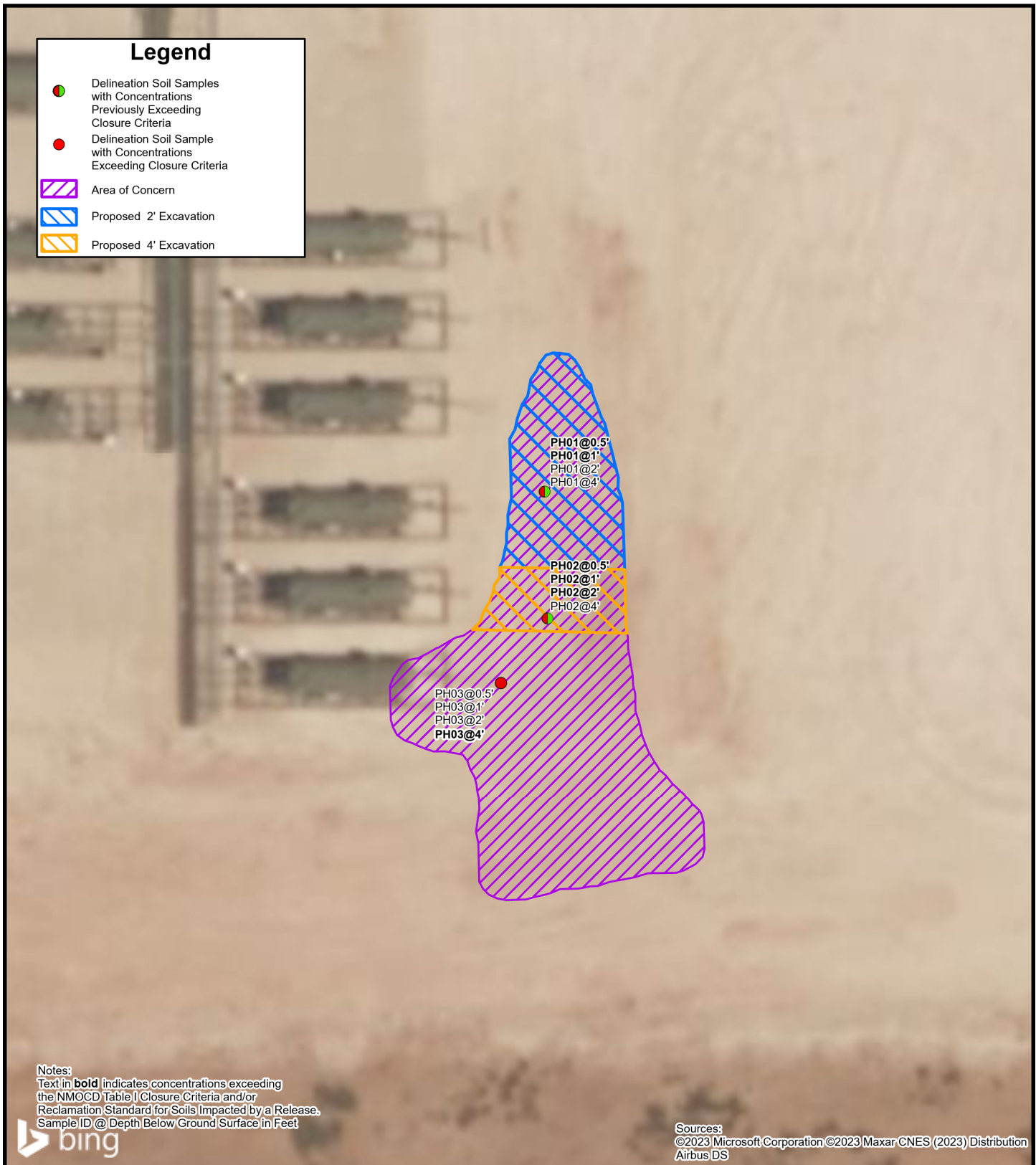


FIGURE 4

## Proposed Future Remediation Areas

Devon Energy Production Company, LP  
 Flagler 8 CTB 1  
 Unit M Sec 8 T26S R33E  
 Lea County, New Mexico

N



0 15 30 Feet

eTECH

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## APPENDIX B

### Referenced Well Records

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P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213







# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4627			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 20.92 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LONGITUDE 103	35	36.25 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SE Sec.8 T25S R33S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/7/2022		DRILLING ENDED 6/7/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/13/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. <u>C-4627-POD 1</u>	POD NO. <u>1</u>	TRN NO. <u>726174</u>
LOCATION <u>25.33.08.334</u>		WELL TAG ID NO. <u>      </u>

PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	7	7	Sand, Fine-grained, poorly graded, 2.5 YR 3/6, Dark Red	Y    ✓ N	
	7	24	17	Caliche, with Fine-grained sand, 7.5 YR 7/4, Pink	Y    ✓ N	
	24	55	31	Caliche, with Fine-grained sand, well consolidated, 7.5 YR 7/4, Pink	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):                      0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:  <div style="text-align: right;">           Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.            26            Flagler 8 Fed 20         </div>	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	DATE
	 Jackie D. Atkins	6/16/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	C-4627-POD 1	POD NO.	1
LOCATION		TRN NO.	726174
25 33 08.334		WELL TAG ID NO.	—
		PAGE 2 OF 2	



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726174  
File Nbr: C 04627  
Well File Nbr: C 04627 POD1

Jun. 18, 2022

DALE WOODALL  
DEVON ENERGY  
6488 7 RIVERS HWY  
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/18/2022, stating that it had been completed on 06/07/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral  
(575) 622-6521

drywell





2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

June 8, 2022

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-4627 Pod1 at Flagler 8 Fed 20

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4627 Pod1.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton


Enclosures: as noted above


OSE DII JUN 16 2022 PM3:10


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## APPENDIX C


### Soil Sampling Logs

								Sample Name: PH01		Date: 08/30/2024			
								Site Name: FLAGLER 8 CTB 1					
								Incident Number: nAPP2328556508					
								Job Number: 20986					
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger			
Site Coordinates: 32.1401336, -103.6008416								Hole Diameter: 4 inches		Total Depth: 4 feet			
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes					
Dry	2,420	74.6	Yes	PH01	0.5	0 0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, some staining, some odor.					
Dry	1,700	37.1	No	PH01	1	1		(3-4') SAND, dry, brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.					
Dry	1,384	0.0	No	PH01	2	2							
						3	SP-SM						
Dry	188	0.0	No	PH01	4	4							
Total Depth													


								Sample Name: PH02		Date: 08/30/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1400714, -103.6008401								Hole Diameter: 4 inches		Total Depth: 6 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	532	314	Yes	PH02	0.5	0 0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, some staining, some odor.							
Dry	2,600	201	No	PH02	1	1		(3-6') SAND, dry, red brown, poorly graded with some silt, very fine to fine grain, no stain, some odor.							
Dry	3,952	214	No	PH02	2	2		@6' color change to brown.							
						3	SP-SM								
Dry	2,836	0.6	No	PH02	4	4									
						5									
Dry	2,600	0.0	No		6	6									
Total Depth															


								Sample Name: PH03		Date: 08/30/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1400397, -103.6008672								Hole Diameter: 4 inches		Total Depth: 8 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	1,788	4.3	Yes	PH03	0.5	0	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, some staining, some odor.							
Dry	1,788	54	Yes	PH03	1	1		(3-7') SAND, dry, red brown, poorly graded with some silt, very fine to fine grain, some staining, some odor.							
Dry	1,788	88	Yes	PH03	2	2		(8') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, some staining, some odor.							
						3	SP-SM	@8' hit refusal.							
Dry	1,292	348	Yes	PH03	4	4									
						5									
Dry	188	967	Yes		6	6									
						7									
Dry	140	953	Yes		8	8	CCHE								
Total Depth															


								Sample Name: PH04		Date: 08/30/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1399762, -103.6008207								Hole Diameter: 4 inches		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<120	0.1	No	PH04	0.5	0 0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no staining, no odor.							
Dry	<120	0.0	No	PH04	1	1		(3-4') SAND, dry, brown, poorly graded with some silt, very fine to fine grain, no staining, no odor.							
Dry	<120	0.2	No	PH04	2	2									
						3	SP-SM								
Dry	<120	0.0	No	PH04	4	4									
Total Depth															

								Sample Name: PH05		Date: 09/05/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1401050, -103.6008732								Hole Diameter: 4 inches		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	188	1	No	PH05	0.5	0 0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.							
Dry	<120	1.3	No	PH05	1	1		(3-4') SAND, dry, reddish brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.							
Dry	<120	0.0	No	PH05	2	2									
						3	SP-SM								
Dry	<120	0.0	No	PH05	4	4									
Total Depth															



								Sample Name: PH06		Date: 09/05/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1399310, -103.6008187								Hole Diameter: 4 inches		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<120	0.5	No	PH06	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.							
Dry	<120	0.3	No	PH06	1	1		(3-4') SAND, dry, reddish brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.							
Dry	<120	0.1	No	PH06	2	2									
						3	SP-SM								
Dry	<120	0.0	No	PH06	4	4									
Total Depth															

								Sample Name: PH07		Date: 09/05/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1400795, -103.6007834								Hole Diameter: 4 inches		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	164	0.8	No	PH07	0.5	0 0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.							
Dry	<120	0.5	No	PH07	1	1		(3-4') SAND, dry, reddish brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.							
Dry	<120	0.0	No	PH07	2	2									
						3		SP-SM							
Dry	<120	0.0	No	PH07	4	4									
Total Depth															

								Sample Name: PH08		Date: 09/05/2024					
								Site Name: FLAGLER 8 CTB 1							
								Incident Number: nAPP2328556508							
								Job Number: 20986							
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Edyte Konan		Method: Hand auger					
Site Coordinates: 32.1402129, -103.6008199								Hole Diameter: 4 inches		Total Depth: 4 feet					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<120	0	No	PH08	0.5	0.5	CCHE	(0-3') CALICHE, dry, tan, well graded with silt, fine to coarse grain, some small gravel, no stain, no odor.							
Dry	<120	0.3	No	PH08	1	1		(3-4') SAND, dry, reddish brown, poorly graded with some silt, very fine to fine grain, no stain, no odor.							
Dry	<120	0.0	No	PH08	2	2									
						3	SP-SM								
Dry	<120	0.0	No	PH08	4	4									
Total Depth															

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# APPENDIX D

## Photographic Log

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P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



**PHOTOGRAPHIC LOG**

Devon Production Company, LP

Flagler 8 CTB 1

Incident Number nAPP2328556508

**Photograph 1****Date: 08/30/2024**

Description: Southwestern view of delineation activities.

**Photograph 2****Date: 09/05/2024**

Description: Northwestern view of delineation activities.

**Photograph 3****Date: 09/05/2024**

Description: Southwestern view of delineation activities.

**Photograph 4****09/05/2024**

Description: Northwestern view of site following confirmation activities.

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# APPENDIX E

## Tables



**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Devon Energy Production Co. LP**  
**Flagler 8 CTB 1**  
**Lea County, New Mexico**


Sample I.D.	Sample Date	Sample 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 for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples - Incident Number nAPP2328556508										
PH01	08/30/2024	0.5	<0.0250	4.11	90.9	9,570	3,780	9,660	13,400	2,610
PH01	08/30/2024	1	<0.0250	4.38	105	10,100	3,680	10,200	13,900	2,430
PH01	08/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
PH01	08/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
PH02	08/30/2024	0.5	<0.0250	1.55	48.5	14,700	5,420	14,800	20,200	447
PH02	08/30/2024	1	<0.0250	3.09	114	13,400	4,040	13,500	17,600	435
PH02	08/30/2024	2	<0.0250	1.32	34.8	4,620	1,500	4,660	6,160	4,010
PH02	08/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,450
PH03	08/30/2024	0.5	<0.0250	0.0285	<20.0	709	480	709	1,190	1,740
PH03	08/30/2024	1	<0.0250	<0.0500	<20.0	717	246	717	963	1,670
PH03	08/30/2024	2	<0.0250	0.0736	<20.0	1,400	392	1,400	1,790	1,560
PH03	08/30/2024	4	<0.0250	3.31	67.6	6,970	1,200	7,040	8,240	1,120
PH04	08/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.3
PH04	08/30/2024	1	<0.0250	0.0908	<20.0	<25.0	<50.0	<25.0	<50.0	39.0
PH04	08/30/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.5
PH04	08/30/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.1
PH05	09/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
PH05	09/05/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21.6
PH05	09/05/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH05	09/05/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	09/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.8
PH06	09/05/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.4
PH06	09/05/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	09/05/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0





**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Devon Energy Production Co. LP**  
**Flagler 8 CTB 1**  
**Lea County, New Mexico**

Sample I.D.	Sample Date	Sample 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 for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
PH07	09/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
PH07	09/05/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.7
PH07	09/05/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07	09/05/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/05/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/05/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/05/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/05/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
Confirmation Soil Samples - Incident Number nAPP2328556508										
FS01	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	2,940	895	2,940	3,840	1,050
FS02	09/05/2024	0-0.25	<0.0250	0.896	32.6	13,000	3,900	13,030	16,900	636
FS03	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	184	109	184	293	54.6
FS04	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	349	150	349	499	796
FS05	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.9
FS06	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	523	174	523	697	652
FS07	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	582	224	582	806	1,860
FS08	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	90.7	59.2	90.7	149.9	83.4
FS09	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	347	133	347	480	761
FS10	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	789	339	789	1,128	772
FS11	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	675	254	675	929	731
FS12	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	345	139	345	484	716
FS13	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	108	71.5	108	180	74.8
FS14	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	94.2	58.2	94.2	152	84.8
SW01	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
SW02	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	172
SW03	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	162

<div><div></div><div>Table 1 SOIL SAMPLE ANALYTICAL RESULTS Devon Energy Production Co. LP Flagler 8 CTB 1 Lea County, New Mexico</div></div>										
Sample I.D.	Sample Date	Sample 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 for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
SW04	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW05	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW07	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW08	09/05/2024	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:  
bgs: below ground surface  
mg/kg: milligrams per kilogram  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics  
TPH: Total Petroleum Hydrocarbon  
NMOCD: New Mexico Oil Conservation Division  
NMAC: New Mexico Administrative Code  
Text in "grey" represents excavated soil samples  
Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard<sup>1</sup> for Soils Impacted by a Release  
<sup>1</sup> The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

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## APPENDIX F

### Laboratory Analytical Reports & Chain-of-Custody Documentation

---

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



Report to:  
Erick Herrera



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: FLAGLER 8 CTB 1

Work Order: E409007

Job Number: 01058-0007

Received: 9/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/11/24

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: 9/11/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409007  
Date Received: 9/4/2024 3:00:00PM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/4/2024 3:00:00PM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 14:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E409007-01A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH01 1'	E409007-02A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH01 2'	E409007-03A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH01 4'	E409007-04A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 2:18:51PM
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	----------------------------------

PH01 0.5'  
E409007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	0.511	0.0250	1	09/05/24	09/06/24	
Toluene	0.0815	0.0250	1	09/05/24	09/06/24	
o-Xylene	1.25	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	2.26	0.0500	1	09/05/24	09/06/24	
Total Xylenes	3.52	0.0250	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		107 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Gasoline Range Organics (C6-C10)	90.9	20.0	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		107 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436044
Diesel Range Organics (C10-C28)	9570	125	5	09/05/24	09/10/24	
Oil Range Organics (C28-C36)	3780	250	5	09/05/24	09/10/24	
Surrogate: n-Nonane		114 %	50-200	09/05/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2436042
Chloride	2610	40.0	2	09/05/24	09/05/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 2:18:51PM
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PH01 1'  
E409007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	0.551	0.0250	1	09/05/24	09/06/24	
Toluene	0.0925	0.0250	1	09/05/24	09/06/24	
o-Xylene	1.34	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	2.39	0.0500	1	09/05/24	09/06/24	
Total Xylenes	3.73	0.0250	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		09/05/24	09/06/24	
Surrogate: Toluene-d8	103 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Gasoline Range Organics (C6-C10)	105	20.0	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene	99.9 %	70-130		09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		09/05/24	09/06/24	
Surrogate: Toluene-d8	103 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436044
Diesel Range Organics (C10-C28)	10100	50.0	2	09/05/24	09/11/24	
Oil Range Organics (C28-C36)	3680	100	2	09/05/24	09/11/24	
Surrogate: n-Nonane	111 %	50-200		09/05/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2436042
Chloride	2430	40.0	2	09/05/24	09/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 2:18:51PM
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PH01 2'

E409007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	ND	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		105 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		105 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/11/24	
Surrogate: n-Nonane		92.8 %	50-200	09/05/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2436042
Chloride	1280	20.0	1	09/05/24	09/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 2:18:51PM
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PH01 4'  
E409007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	ND	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		103 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2436040
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/05/24	09/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/05/24	09/06/24	
Surrogate: Toluene-d8		103 %	70-130	09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2436044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/11/24	
Surrogate: n-Nonane		93.0 %	50-200	09/05/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2436042
Chloride	222	20.0	1	09/05/24	09/05/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 2:18:51PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436040-BLK1) Prepared: 09/05/24 Analyzed: 09/06/24

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: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2436040-BS1) Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	2.47	0.0250	2.50		98.9	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.38	0.0250	2.50		95.0	70-130			
o-Xylene	2.21	0.0250	2.50		88.5	70-130			
p,m-Xylene	4.43	0.0500	5.00		88.6	70-130			
Total Xylenes	6.64	0.0250	7.50		88.6	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike (2436040-MS1) Source: E409006-02 Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.3	45-135			
Toluene	2.46	0.0250	2.50	ND	98.5	48-130			
o-Xylene	2.28	0.0250	2.50	ND	91.1	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	90.9	43-135			
Total Xylenes	6.83	0.0250	7.50	ND	91.0	43-135			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2436040-MSD1) Source: E409006-02 Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	2.55	0.0250	2.50	ND	102	48-131	1.30	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.6	45-135	0.800	27	
Toluene	2.43	0.0250	2.50	ND	97.4	48-130	1.18	24	
o-Xylene	2.30	0.0250	2.50	ND	91.8	43-135	0.809	27	
p,m-Xylene	4.59	0.0500	5.00	ND	91.8	43-135	0.952	27	
Total Xylenes	6.89	0.0250	7.50	ND	91.8	43-135	0.904	27	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 2:18:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436040-BLK1)					Prepared: 09/05/24 Analyzed: 09/06/24				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2436040-BS2)					Prepared: 09/05/24 Analyzed: 09/06/24				
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.0	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2436040-MS2)					Source: E409006-02	Prepared: 09/05/24 Analyzed: 09/06/24			
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2436040-MSD2)					Source: E409006-02	Prepared: 09/05/24 Analyzed: 09/06/24			
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130	2.85	20	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 2:18:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436044-BLK1)					Prepared: 09/05/24 Analyzed: 09/10/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

LCS (2436044-BS1)					Prepared: 09/05/24 Analyzed: 09/10/24				
Diesel Range Organics (C10-C28)	215	25.0	250		86.0	38-132			
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

Matrix Spike (2436044-MS1)					Source: E409006-01		Prepared: 09/05/24 Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	231	25.0	250	34.7	78.4	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			

Matrix Spike Dup (2436044-MSD1)					Source: E409006-01		Prepared: 09/05/24 Analyzed: 09/10/24		
Diesel Range Organics (C10-C28)	243	25.0	250	34.7	83.3	38-132	5.19	20	
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 2:18:51PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436042-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	ND	20.0							
LCS (2436042-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2436042-MS1)					Source: E409016-02		Prepared: 09/05/24 Analyzed: 09/05/24		
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2436042-MSD1)					Source: E409016-02		Prepared: 09/05/24 Analyzed: 09/05/24		
Chloride	264	20.0	250	ND	106	80-120	0.0481	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 14:18

- 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.





## Project Information

## Chain of Custody

Page 1 of 1

Client: Devon Energy Production Co LP				<b>Bill To</b>		<b>Lab Use Only</b>		<b>TAT</b>			<b>EPA Program</b>		
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO#		1D 2D 3D			Standard		
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 409607		Job Number			CWA SDWA		
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		01058-0007		5 day TAT			RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Analysis and Method						State	
Phone: 432-305-6414				Email: jim.raley@dmv.com								NM CO UT AZ TX	
Email: Devon-team@etechnv.com				WO: 21179750		Depth (ft.)		TPH GRQ/DRO/DRO by 8015		BTEX by 8021		VOC by 8260	
Incident ID: NAPP2328556508						Metals 6010		Chloride 300.0		BGDOC NM		TL GDOC	
Collected by: Edyte Konan						Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number								
14:00	08.30.24	S	1	PH01	1	0.5'						X	
14:10	08.30.24	S	1	PH01	2	1'						X	
14:20	08.30.24	S	1	PH01	3	2'						X	
14:30	08.30.24	S	1	PH01	4	4'						X	
09/03/2024													
Additional Instructions:													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only					
<i>[Signature]</i>		09/03/24	10:00	Michelle Gonzales		9-3-24	1000	Received on ice: (Y) / N					
Michelle Gonzales		9-3-24	1530	Andrew Musso		9-3-24	1530	T1 T2 T3					
Andrew Musso		9-3-24	2130	<i>[Signature]</i>		9-4-24	1500	AVG Temp °C 4					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													



envirotech

## Envirotech Analytical Laboratory

Printed: 9/4/2024 3:40:44PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/04/24 15:00	Work Order ID:	E409007
Phone:	(575) 748-0176	Date Logged In:	09/04/24 15:33	Logged In By:	Noe Soto
Email:		Due Date:	09/10/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? Yes  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409008

Job Number: 01058-0007

Received: 9/4/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/11/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/11/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409008  
Date Received: 9/4/2024 3:00:00PM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/4/2024 3:00:00PM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 11:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH02 0.5'	E409008-01A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH02 1'	E409008-02A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH02 2'	E409008-03A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH02 4'	E409008-04A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 11:32:12AM
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PH02 0.5'

E409008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	0.163	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	0.557	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	0.826	0.0500	1	09/05/24	09/05/24	
Total Xylenes	1.38	0.0250	1	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	48.5	20.0	1	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	14700	50.0	2	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	5420	100	2	09/05/24	09/05/24	
<i>Surrogate: n-Nonane</i>						
		92.6 %	50-200	09/05/24	09/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	447	20.0	1	09/05/24	09/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 11:32:12AM
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PH02 1'

E409008-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0500	2	09/05/24	09/05/24	
Ethylbenzene	0.320	0.0500	2	09/05/24	09/05/24	
Toluene	ND	0.0500	2	09/05/24	09/05/24	
o-Xylene	1.18	0.0500	2	09/05/24	09/05/24	
p,m-Xylene	1.59	0.100	2	09/05/24	09/05/24	
Total Xylenes	2.77	0.0500	2	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	114	40.0	2	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.8 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	13400	250	10	09/05/24	09/10/24	
Oil Range Organics (C28-C36)	4040	500	10	09/05/24	09/10/24	
<i>Surrogate: n-Nonane</i>						
		97.3 %	50-200	09/05/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	435	20.0	1	09/05/24	09/06/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/11/2024 11:32:12AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH02 2'

E409008-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	0.182	0.0250	1	09/05/24	09/05/24	
Toluene	0.0301	0.0250	1	09/05/24	09/05/24	
o-Xylene	0.441	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	0.659	0.0500	1	09/05/24	09/05/24	
Total Xylenes	1.10	0.0250	1	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	34.8	20.0	1	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	4620	125	5	09/05/24	09/11/24	
Oil Range Organics (C28-C36)	1500	250	5	09/05/24	09/11/24	
<i>Surrogate: n-Nonane</i>						
	81.1 %	50-200		09/05/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	4010	100	5	09/05/24	09/05/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/11/2024 11:32:12AM

PH02 4'

E409008-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	ND	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.9 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2436039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.7 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/11/24	
<i>Surrogate: n-Nonane</i>	72.8 %	50-200		09/05/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	2450	40.0	2	09/05/24	09/06/24	





QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:32:12AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436039-BLK1)Prepared: 09/05/24 Analyzed: 09/05/24

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	7.10		8.00		88.8	70-130			

LCS (2436039-BS1)Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.51	0.0250	5.00		90.1	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			

Matrix Spike (2436039-MS1)Source: E409010-01Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	5.42	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
Toluene	5.34	0.0250	5.00	ND	107	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	70-130			

Matrix Spike Dup (2436039-MSD1)Source: E409010-01Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	5.31	0.0250	5.00	ND	106	54-133	2.01	20	
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133	2.06	20	
Toluene	5.24	0.0250	5.00	ND	105	61-130	1.94	20	
o-Xylene	5.09	0.0250	5.00	ND	102	63-131	1.91	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	2.12	20	
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131	2.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:32:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436039-BLK1) Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.8	70-130			

LCS (2436039-BS2) Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	35.4	20.0	50.0		70.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

Matrix Spike (2436039-MS2) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

Matrix Spike Dup (2436039-MSD2) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.7	70-130	6.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:32:12AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436043-BLK1)	Prepared: 09/05/24 Analyzed: 09/05/24								
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.3		50.0		76.5	50-200			

LCS (2436043-BS1)	Prepared: 09/05/24 Analyzed: 09/05/24								
Diesel Range Organics (C10-C28)	192	25.0	250		76.7	38-132			
Surrogate: n-Nonane	39.8		50.0		79.7	50-200			

Matrix Spike (2436043-MS1)				Source: E409010-04	Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	205	25.0	250	ND	82.1	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2436043-MSD1)				Source: E409010-04	Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	200	25.0	250	ND	80.0	38-132	2.61	20	
Surrogate: n-Nonane	37.8		50.0		75.5	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:32:12AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436049-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	ND	20.0							
LCS (2436049-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/05/24		
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/06/24		
Chloride	4310	100	250	4010	119	80-120	0.542	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 11:32

- M4Matrix 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.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite
- DNRDid 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.



## Project Information

## Chain of Custody

Page 1 of 1

Client: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT			EPA Program							
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO# E409008		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.									5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220											RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502										State				
Phone: 432-305-6414				Email: jim.raley@dev.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 21179750														
				Incident ID: NAPP2328556508														
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks				
14:40	08.30.24	S	1	PH02	1	0.5'						X						
14:50	08.30.24	S	1	PH02	2	1'						X						
15:00	08.30.24	S	1	PH02	3	2'						X						
15:10	08.30.24	S	1	PH02	4	4'						X						
09/03/2024																		
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: FX																		
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<i>[Signature]</i>		09/03/24	10:00	Michelle Gonzales		9-3-24	1000	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3										
Michelle Gonzales		9-3-24	1530	Andrew Musso		9-3-24	1530											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C 4										
Andrew Musso		9-3-24	2130	<i>[Signature]</i>		9-4-24	1500											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



envirotech

## Envirotech Analytical Laboratory

Printed: 9/4/2024 3:46:32PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/04/24 15:00	Work Order ID:	E409008
Phone:	(575) 748-0176	Date Logged In:	09/04/24 15:42	Logged In By:	Noe Soto
Email:		Due Date:	09/10/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409009

Job Number: 01058-0007

Received: 9/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/9/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409009  
Date Received: 9/4/2024 3:00:00PM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/4/2024 3:00:00PM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/09/24 12:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH03 0.5'	E409009-01A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH03 1'	E409009-02A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH03 2'	E409009-03A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH03 4'	E409009-04A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.





Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/9/2024 12:06:38PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH03 0.5'  
E409009-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	0.0285	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	0.0285	0.0250	1	09/05/24	09/05/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436036	
Diesel Range Organics (C10-C28)	709	25.0	1	09/05/24	09/06/24	
Oil Range Organics (C28-C36)	480	50.0	1	09/05/24	09/06/24	
Surrogate: n-Nonane	81.2 %	50-200		09/05/24	09/06/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2436049	
Chloride	1740	20.0	1	09/05/24	09/07/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/9/2024 12:06:38PM
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PH03 1'

E409009-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436036	
Diesel Range Organics (C10-C28)	717	25.0	1	09/05/24	09/06/24	
Oil Range Organics (C28-C36)	246	50.0	1	09/05/24	09/06/24	
<i>Surrogate: n-Nonane</i>						
	80.6 %	50-200		09/05/24	09/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2436049	
Chloride	1670	20.0	1	09/05/24	09/07/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/9/2024 12:06:38PM
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PH03 2'

E409009-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	0.0736	0.0500	1	09/05/24	09/05/24	
Total Xylenes	0.0736	0.0250	1	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436036	
Diesel Range Organics (C10-C28)	1400	25.0	1	09/05/24	09/06/24	
Oil Range Organics (C28-C36)	392	50.0	1	09/05/24	09/06/24	
<i>Surrogate: n-Nonane</i>						
		82.6 %	50-200	09/05/24	09/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	1560	20.0	1	09/05/24	09/06/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/9/2024 12:06:38PM

PH03 4'

E409009-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436038
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	0.394	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	1.20	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	1.71	0.0500	1	09/05/24	09/05/24	
Total Xylenes	2.92	0.0250	1	09/05/24	09/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2436038
Gasoline Range Organics (C6-C10)	67.6	20.0	1	09/05/24	09/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2436036
Diesel Range Organics (C10-C28)	6970	25.0	1	09/05/24	09/06/24	
Oil Range Organics (C28-C36)	1200	50.0	1	09/05/24	09/06/24	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	09/05/24	09/06/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2436049
Chloride	1120	20.0	1	09/05/24	09/06/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 12:06:38PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436038-BLK1)Prepared: 09/05/24 Analyzed: 09/05/24

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	7.88		8.00		98.5	70-130			

LCS (2436038-BS1)Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	5.19	0.0250	5.00		104	70-130			
Ethylbenzene	5.04	0.0250	5.00		101	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

Matrix Spike (2436038-MS1)Source: E409009-02Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	4.99	0.0250	5.00	ND	99.8	54-133			
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133			
Toluene	4.94	0.0250	5.00	ND	98.8	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

Matrix Spike Dup (2436038-MSD1)Source: E409009-02Prepared: 09/05/24 Analyzed: 09/06/24

Benzene	5.22	0.0250	5.00	ND	104	54-133	4.41	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	4.41	20	
Toluene	5.15	0.0250	5.00	ND	103	61-130	4.22	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	4.23	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.19	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.20	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 12:06:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436038-BLK1) Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2436038-BS2) Prepared: 09/05/24 Analyzed: 09/06/24

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

Matrix Spike (2436038-MS2) Source: E409009-02 Prepared: 09/05/24 Analyzed: 09/06/24

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2436038-MSD2) Source: E409009-02 Prepared: 09/05/24 Analyzed: 09/06/24

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130	1.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 12:06:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436036-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			

LCS (2436036-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	198	25.0	250		79.3	38-132			
Surrogate: n-Nonane	40.7		50.0		81.3	50-200			

Matrix Spike (2436036-MS1)					Source: E409009-01		Prepared: 09/05/24 Analyzed: 09/05/24		
Diesel Range Organics (C10-C28)	781	25.0	250	709	29.0	38-132			M4
Surrogate: n-Nonane	42.4		50.0		84.9	50-200			M4

Matrix Spike Dup (2436036-MSD1)					Source: E409009-01		Prepared: 09/05/24 Analyzed: 09/05/24		
Diesel Range Organics (C10-C28)	824	25.0	250	709	46.3	38-132	5.38	20	
Surrogate: n-Nonane	40.3		50.0		80.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 12:06:38PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436049-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	ND	20.0							
LCS (2436049-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/05/24		
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/06/24		
Chloride	4310	100	250	4010	119	80-120	0.542	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/09/24 12:06

- 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.



**envirotech**

## Envirotech Analytical Laboratory

Printed: 9/4/2024 3:55:15PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/04/24 15:00	Work Order ID:	E409009
Phone:	(575) 748-0176	Date Logged In:	09/04/24 15:50	Logged In By:	Noe Soto
Email:		Due Date:	09/10/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? Yes  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

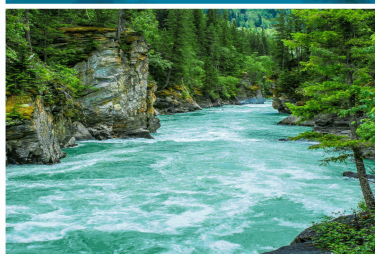
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409010

Job Number: 01058-0007

Received: 9/4/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/9/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409010  
Date Received: 9/4/2024 3:00:00PM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/4/2024 3:00:00PM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/09/24 09:57

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH04 0.5'	E409010-01A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH04 1'	E409010-02A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH04 2'	E409010-03A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.
PH04 4'	E409010-04A	Soil	08/30/24	09/04/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/9/2024 9:57:26AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH04 0.5'  
E409010-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/05/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/05/24	
Toluene	ND	0.0250	1	09/05/24	09/05/24	
o-Xylene	ND	0.0250	1	09/05/24	09/05/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/05/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/05/24	
Surrogate: 4-Bromochlorobenzene-PID	87.6 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		09/05/24	09/05/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane	76.7 %	50-200		09/05/24	09/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	36.3	20.0	1	09/05/24	09/06/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/9/2024 9:57:26AM

PH04 1'

E409010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	<b>0.0303</b>	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	<b>0.0605</b>	0.0500	1	09/05/24	09/06/24	
Total Xylenes	<b>0.0908</b>	0.0250	1	09/05/24	09/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
<i>Surrogate: n-Nonane</i>						
	72.7 %	50-200		09/05/24	09/05/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	<b>39.0</b>	20.0	1	09/05/24	09/06/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/9/2024 9:57:26AM
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PH04 2'

E409010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	ND	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
Surrogate: 4-Bromochlorobenzene-PID	87.8 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane	68.7 %	50-200		09/05/24	09/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	38.5	20.0	1	09/05/24	09/06/24	





Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/9/2024 9:57:26AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH04 4'

E409010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Benzene	ND	0.0250	1	09/05/24	09/06/24	
Ethylbenzene	ND	0.0250	1	09/05/24	09/06/24	
Toluene	ND	0.0250	1	09/05/24	09/06/24	
o-Xylene	ND	0.0250	1	09/05/24	09/06/24	
p,m-Xylene	ND	0.0500	1	09/05/24	09/06/24	
Total Xylenes	ND	0.0250	1	09/05/24	09/06/24	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2436039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/24	09/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		09/05/24	09/06/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2436043	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/24	09/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/24	09/05/24	
Surrogate: n-Nonane	70.9 %	50-200		09/05/24	09/05/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2436049	
Chloride	41.1	20.0	1	09/05/24	09/06/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 9:57:26AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436039-BLK1) Prepared: 09/05/24 Analyzed: 09/05/24

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	7.10		8.00		88.8	70-130			

LCS (2436039-BS1) Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.66	0.0250	5.00		93.3	70-130			
o-Xylene	4.51	0.0250	5.00		90.1	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			

Matrix Spike (2436039-MS1) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	5.42	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.23	0.0250	5.00	ND	105	61-133			
Toluene	5.34	0.0250	5.00	ND	107	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.06		8.00		88.3	70-130			

Matrix Spike Dup (2436039-MSD1) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Benzene	5.31	0.0250	5.00	ND	106	54-133	2.01	20	
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133	2.06	20	
Toluene	5.24	0.0250	5.00	ND	105	61-130	1.94	20	
o-Xylene	5.09	0.0250	5.00	ND	102	63-131	1.91	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	2.12	20	
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131	2.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 9:57:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436039-BLK1) Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.8	70-130			

LCS (2436039-BS2) Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	35.4	20.0	50.0		70.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

Matrix Spike (2436039-MS2) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

Matrix Spike Dup (2436039-MSD2) Source: E409010-01 Prepared: 09/05/24 Analyzed: 09/05/24

Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.7	70-130	6.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 9:57:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2436043-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.3		50.0		76.5	50-200			

LCS (2436043-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Diesel Range Organics (C10-C28)	192	25.0	250		76.7	38-132			
Surrogate: n-Nonane	39.8		50.0		79.7	50-200			

Matrix Spike (2436043-MS1)					Source: E409010-04		Prepared: 09/05/24 Analyzed: 09/05/24		
Diesel Range Organics (C10-C28)	205	25.0	250	ND	82.1	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2436043-MSD1)					Source: E409010-04		Prepared: 09/05/24 Analyzed: 09/05/24		
Diesel Range Organics (C10-C28)	200	25.0	250	ND	80.0	38-132	2.61	20	
Surrogate: n-Nonane	37.8		50.0		75.5	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/9/2024 9:57:26AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2436049-BLK1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	ND	20.0							
LCS (2436049-BS1)					Prepared: 09/05/24 Analyzed: 09/05/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2436049-MS1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/05/24		
Chloride	4330	100	250	4010	128	80-120			M4
Matrix Spike Dup (2436049-MSD1)					Source: E409008-03		Prepared: 09/05/24 Analyzed: 09/06/24		
Chloride	4310	100	250	4010	119	80-120	0.542	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/09/24 09:57

- 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.



## Project Information

## Chain of Custody

Page 1 of 1

Client: Devon Energy Production Co LP					Bill To		Lab Use Only				TAT			EPA Program					
Project: FLAGLER 8 CTB 1					Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera					Address: 5315 Buena Vista Dr.		E 409010		01058-0007					5 day TAT					
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA			
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	XL GDOC	State				
Phone: 432-305-6414					Email: jim.raley@devn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com					WO: 21179750														
					Incident ID: NAPP2328556508														
Collected by: Edyte Konan																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks			
15:40	08.30.24	S	1	PH04	1	0.5'								X					
15:50	08.30.24	S	1	PH04	2	1'								X					
16:00	08.30.24	S	1	PH04	3	2'								X					
16:10	08.30.24	S	1	PH04	4	4'								X					
08/03/2024																			
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only							
<i>[Signature]</i>		08/03/24		10:00		<i>Michelle Gonzales</i>		9-3-24		1000		Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3							
<i>Michelle Gonzales</i>		9-3-24		1530		<i>Andrew Musso</i>		9-3-24		1530									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C							
<i>Andrew Musso</i>		9-3-24		2130		<i>[Signature]</i>		9-4-24		1506		4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			


**envirotech**



## Envirotech Analytical Laboratory

Printed: 9/4/2024 4:01:54PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/04/24 15:00	Work Order ID:	E409010
Phone:	(575) 748-0176	Date Logged In:	09/04/24 15:52	Logged In By:	Noe Soto
Email:		Due Date:	09/10/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? Yes  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409051

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/11/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/11/24



Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: FLAGLER 8 CTB 1  
Workorder: E409051  
Date Received: 9/7/2024 6:00:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 6:00:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 11:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH05 0.5'	E409051-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH05 1'	E409051-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH05 2'	E409051-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH05 4'	E409051-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/11/2024 11:47:01AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH05 0.5'  
E409051-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
Surrogate: 4-Bromochlorobenzene-PID	97.5 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2437009	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/10/24	
Surrogate: n-Nonane	80.3 %	50-200		09/09/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2437018	
Chloride	105	20.0	1	09/09/24	09/10/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/11/2024 11:47:01AM
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	-----------------------------------

PH05 1'

E409051-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2437009	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/10/24	
<i>Surrogate: n-Nonane</i>						
	68.9 %	50-200		09/09/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2437018	
Chloride	21.6	20.0	1	09/09/24	09/10/24	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/11/2024 11:47:01AM

## PH05 2'

## E409051-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2436093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2437009	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/10/24	
<i>Surrogate: n-Nonane</i>						
	75.4 %	50-200		09/09/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2437018	
Chloride	ND	20.0	1	09/09/24	09/10/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/11/2024 11:47:01AM

PH05 4'

E409051-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436093
Benzene	ND	0.0250	1	09/07/24	09/08/24	
Ethylbenzene	ND	0.0250	1	09/07/24	09/08/24	
Toluene	ND	0.0250	1	09/07/24	09/08/24	
o-Xylene	ND	0.0250	1	09/07/24	09/08/24	
p,m-Xylene	ND	0.0500	1	09/07/24	09/08/24	
Total Xylenes	ND	0.0250	1	09/07/24	09/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2436093
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/24	09/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		09/07/24	09/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437009
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/10/24	
<i>Surrogate: n-Nonane</i>						
	78.1 %	50-200		09/09/24	09/10/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2437018
Chloride	ND	20.0	1	09/09/24	09/10/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:47:01AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting	Spike	Source	Rec	Rec	RPD	RPD	
	mg/kg	Limit	Level	Result	%	Limits	%	Limit	Notes
		mg/kg	mg/kg	mg/kg					

Blank (2436093-BLK1)Prepared: 09/07/24 Analyzed: 09/08/24

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	8.00		8.00		100	70-130			

LCS (2436093-BS1)Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
o-Xylene	5.12	0.0250	5.00		102	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			

Matrix Spike (2436093-MS1)Source: E409050-06Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	4.93	0.0250	5.00	ND	98.7	54-133			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133			
Toluene	4.94	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.87	0.0500	10.0	ND	98.7	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			

Matrix Spike Dup (2436093-MSD1)Source: E409050-06Prepared: 09/07/24 Analyzed: 09/08/24

Benzene	4.97	0.0250	5.00	ND	99.4	54-133	0.729	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133	1.60	20	
Toluene	4.99	0.0250	5.00	ND	99.9	61-130	1.14	20	
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131	1.47	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.78	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	1.68	20	
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:47:01AM

Nonhalogenated Organics by EPA 8015D - GRO

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
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Blank (2436093-BLK1) Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

LCS (2436093-BS2) Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.89		8.00		98.6	70-130			

Matrix Spike (2436093-MS2) Source: E409050-06 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2436093-MSD2) Source: E409050-06 Prepared: 09/07/24 Analyzed: 09/08/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130	3.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:47:01AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437009-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.3		50.0		82.5	50-200			

LCS (2437009-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Diesel Range Organics (C10-C28)	210	25.0	250		84.0	38-132			
Surrogate: n-Nonane	42.7		50.0		85.5	50-200			

Matrix Spike (2437009-MS1)					Source: E409049-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.7	38-132			
Surrogate: n-Nonane	41.1		50.0		82.2	50-200			

Matrix Spike Dup (2437009-MSD1)					Source: E409049-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Diesel Range Organics (C10-C28)	210	25.0	250	ND	84.1	38-132	3.04	20	
Surrogate: n-Nonane	42.7		50.0		85.3	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/11/2024 11:47:01AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437018-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437018-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2437018-MS1)					Source: E409042-03		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	2440	20.0	250	2220	90.2	80-120			
Matrix Spike Dup (2437018-MSD1)					Source: E409042-03		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	2440	20.0	250	2220	89.4	80-120	0.0823	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/11/24 11:47

- 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.





[illegible]

## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:10:11AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 06:00	Work Order ID:	E409051
Phone:	(575) 748-0176	Date Logged In:	09/07/24 06:51	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? No  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409058

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/13/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409058  
Date Received: 9/7/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:30:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH06 0.5'	E409058-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH06 1'	E409058-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH06 2'	E409058-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH06 4'	E409058-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 2:48:33PM
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PH06 0.5'

E409058-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2437006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		79.8 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437013	
Chloride	96.8	20.0	1	09/09/24	09/09/24	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:48:33PM

PH06 1'

E409058-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		76.0 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	53.4	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 2:48:33PM
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PH06 2'  
E409058-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		72.2 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:48:33PM

PH06 4'

E409058-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		79.9 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:48:33PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

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: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS1) Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.46	0.0250	2.50		98.5	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130			
Total Xylenes	7.34	0.0250	7.50		97.8	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2437003-MS1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135			
Toluene	2.47	0.0250	2.50	ND	98.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike Dup (2437003-MSD1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	0.0627	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	0.984	27	
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	1.15	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	1.34	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.3	43-135	0.298	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	0.646	27	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:48:33PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS2) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2437003-MS2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike Dup (2437003-MSD2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130	0.670	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:48:33PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437006-BLK1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			

LCS (2437006-BS1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2437006-MS1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2437006-MSD1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	196	25.0	250	ND	78.4	38-132	3.15	20	
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:48:33PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437013-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437013-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437013-MS1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2437013-MSD1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120	0.0375	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:48

- 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: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT			EPA Program							
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO# E 409058		Job Number 01058 0001		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.									5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220											RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502									State					
Phone: 432-305-6414				Email: jim.raley@dvn.com									NM	CO	UT	AZ	TX	
Email: Devon-team@etechnv.com				WO: 21179750														
				Incident ID: NAPP2328556508														
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks				
8:40	09.05.24	S	1	PH06	1	0.5'						X						
8:50	09.05.24	S	1	PH06	2	1'						X						
9:00	09.05.24	S	1	PH06	3	2'						X						
9:10	09.05.24	S	1	PH06	4	4'						X						
09/06/2024																		
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Michelle Gonzales		09/06/24	11:30	Michelle Gonzales		9-6-24	11:00	Received on ice: Y/N										
Michelle Gonzales		9-6-24	16:30	R/W		9-6-24	16:48	T1 T2 T3										
Michelle Gonzales		9-6-24	23:54	Kana Schwarz		9/7/24	9:30	AVG Temp °C 4										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:37:43AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 07:30	Work Order ID:	E409058
Phone:	(575) 748-0176	Date Logged In:	09/07/24 07:29	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? No  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409056

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 9/13/24

Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: FLAGLER 8 CTB 1  
Workorder: E409056  
Date Received: 9/7/2024 7:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:15:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH07 0.5'	E409056-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH07 1'	E409056-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH07 2'	E409056-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH07 4'	E409056-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 2:43:59PM
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	----------------------------------

PH07 0.5'

E409056-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2437006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		71.6 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437013	
Chloride	151	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:43:59PM

PH07 1'

E409056-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		80.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	34.7	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/13/2024 2:43:59PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH07 2'

E409056-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		75.2 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/13/2024 2:43:59PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

PH07 4'

E409056-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2437003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/09/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	09/09/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2437006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		79.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2437013	
Chloride	ND	20.0	1	09/09/24	09/09/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:43:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

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: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS1) Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.46	0.0250	2.50		98.5	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130			
Total Xylenes	7.34	0.0250	7.50		97.8	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2437003-MS1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135			
Toluene	2.47	0.0250	2.50	ND	98.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike Dup (2437003-MSD1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	0.0627	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	0.984	27	
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	1.15	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	1.34	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.3	43-135	0.298	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	0.646	27	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:43:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS2) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2437003-MS2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike Dup (2437003-MSD2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130	0.670	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:43:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437006-BLK1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			

LCS (2437006-BS1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2437006-MS1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2437006-MSD1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	196	25.0	250	ND	78.4	38-132	3.15	20	
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:43:59PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437013-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437013-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437013-MS1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2437013-MSD1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120	0.0375	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:43

- 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: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT			EPA Program			
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA	
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 409056		01058 0007							5 day TAT			
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA	
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6414				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 21179750														
Incident ID: NAPP2328556508																		
Collected by: Edyte Konan																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks				
9:20	09.05.24	S	1	PH07	1	0.5'						X						
9:30	09.05.24	S	1	PH07	2	1'						X						
9:40	09.05.24	S	1	PH07	3	2'						X						
9:50	09.05.24	S	1	PH07	4	4'						X						
09/06/2024																		
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Michelle Gonzales		09/06/24	11:00	Michelle Gonzales		9-6-24	11:00	Received on ice: Y / N										
Michelle Gonzales		9-6-24	1630	Michelle Gonzales		9-6-24	1648	T1 T2 T3										
Michelle Gonzales		9-6-24	2354	Michelle Gonzales		9/7/24	7:15	AVG Temp °C 4										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:32:00AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 07:15	Work Order ID:	E409056
Phone:	(575) 748-0176	Date Logged In:	09/07/24 07:21	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? No  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409055

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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: 9/13/24



Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: FLAGLER 8 CTB 1  
Workorder: E409055  
Date Received: 9/7/2024 7:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:15:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH08 0.5'	E409055-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH08 1'	E409055-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH08 2'	E409055-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
PH08 4'	E409055-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:40:40PM

PH08 0.5'

E409055-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		74.8 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:40:40PM

PH08 1'

E409055-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.8 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 2:40:40PM
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	----------------------------------

PH08 2'  
E409055-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.8 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:40:40PM

PH08 4'

E409055-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		108 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		80.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:40:40PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

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: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS1) Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.46	0.0250	2.50		98.5	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130			
Total Xylenes	7.34	0.0250	7.50		97.8	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2437003-MS1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135			
Toluene	2.47	0.0250	2.50	ND	98.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike Dup (2437003-MSD1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	0.0627	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	0.984	27	
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	1.15	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	1.34	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.3	43-135	0.298	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	0.646	27	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:40:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS2) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2437003-MS2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike Dup (2437003-MSD2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130	0.670	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:40:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437006-BLK1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			

LCS (2437006-BS1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2437006-MS1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2437006-MSD1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	196	25.0	250	ND	78.4	38-132	3.15	20	
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:40:40PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437013-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437013-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437013-MS1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2437013-MSD1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120	0.0375	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:40

- 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: Devon Energy Production Co LP				Bill To		Lab Use Only		TAT			EPA Program									
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA							
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 409055	01058-0007				5 day TAT									
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method								RCRA						
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	XL GDGC TX	State						
Phone: 432-305-6414				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX		
Email: Devon-team@etechnv.com				WO: 21179750																
				Incident ID: NAPP2328556508																
Collected by: Edyte Konan																				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	XL GDGC TX	Remarks						
10:00	09.05.24	S	1	PH08	1	0.5'						X								
10:10	09.05.24	S	1	PH08	2	1'						X								
10:20	09.05.24	S	1	PH08	3	2'						X								
10:30	09.05.24	S	1	PH08	4	4'						X								
09/06/2024																				
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: EK																				
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only				
Michelle Gonzales				09/06/24		11:00		Michelle Gonzales				9-6-24		11:00		Received on ice: Y/N				
Michelle Gonzales				9-6-24		1630		Michelle Gonzales				9-6-24		1648		T1 T2 T3				
Michelle Gonzales				9-6-24		2354		Ramon Lehman				9/7/24		7:15		AVG Temp °C 4				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:23:39AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 07:15	Work Order ID:	E409055
Phone:	(575) 748-0176	Date Logged In:	09/07/24 07:18	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? No  
Collectors name? No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Erick Herrera



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: FLAGLER 8 CTB 1

Work Order: E409057

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/24

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: 9/13/24



Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: FLAGLER 8 CTB 1  
Workorder: E409057  
Date Received: 9/7/2024 7:25:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:25:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
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Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Chain of Custody etc.

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Sample Summary

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 13:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 0-0.25'	E409057-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS02 0-0.25'	E409057-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS03 0-0.25'	E409057-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS04 0-0.25'	E409057-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS05 0-0.25'	E409057-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS06 0-0.25'	E409057-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS07 0-0.25'	E409057-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS08 0-0.25'	E409057-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS09 0-0.25'	E409057-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS10 0-0.25'	E409057-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS11 0-0.25'	E409057-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS12 0-0.25'	E409057-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS13 0-0.25'	E409057-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS14 0-0.25'	E409057-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported: 9/13/2024 1:02:47PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	

FS01 0-0.25'  
E409057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	2940	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	895	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		85.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	1050	20.0	1	09/09/24	09/09/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS02 0-0.25'  
E409057-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	0.101	0.0250	1	09/09/24	09/11/24	
Toluene	0.0536	0.0250	1	09/09/24	09/11/24	
o-Xylene	0.139	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	0.602	0.0500	1	09/09/24	09/11/24	
Total Xylenes	0.740	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	32.6	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	13000	250	10	09/09/24	09/12/24	
Oil Range Organics (C28-C36)	3900	500	10	09/09/24	09/12/24	
Surrogate: n-Nonane		89.5 %	50-200	09/09/24	09/12/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	636	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS03 0-0.25'  
E409057-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.8 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	184	25.0	1	09/09/24	09/12/24	
Oil Range Organics (C28-C36)	109	50.0	1	09/09/24	09/12/24	
Surrogate: n-Nonane	74.4 %	50-200		09/09/24	09/12/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	54.6	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 1:02:47PM

FS04 0-0.25'

E409057-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	349	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	150	50.0	1	09/09/24	09/11/24	
<i>Surrogate: n-Nonane</i>		76.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	796	20.0	1	09/09/24	09/09/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS05 0-0.25'  
E409057-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	83.5 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	32.9	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS06 0-0.25'  
E409057-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	523	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	174	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	73.7 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	652	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 1:02:47PM

FS07 0-0.25'

E409057-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2437004
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2437004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437007
Diesel Range Organics (C10-C28)	582	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	224	50.0	1	09/09/24	09/11/24	
<i>Surrogate: n-Nonane</i>						
		74.9 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437010
Chloride	1860	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS08 0-0.25'  
E409057-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %		70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %		70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	90.7	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	59.2	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	77.2 %		50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	83.4	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS09 0-0.25'  
E409057-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	347	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	133	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	65.6 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	761	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS10 0-0.25'  
E409057-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	789	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	339	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	76.4 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	772	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS11 0-0.25'  
E409057-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	675	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	254	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	75.0 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	731	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS12 0-0.25'  
E409057-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	345	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	139	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	69.5 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	716	20.0	1	09/09/24	09/09/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS13 0-0.25'  
E409057-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	108	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	71.5	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane	82.9 %	50-200		09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	74.8	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 1:02:47PM
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FS14 0-0.25'  
E409057-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2437004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	09/09/24	09/11/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2437007	
Diesel Range Organics (C10-C28)	94.2	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	58.2	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		78.6 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2437010	
Chloride	84.8	20.0	1	09/09/24	09/09/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 1:02:47PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437004-BLK1) Prepared: 09/09/24 Analyzed: 09/11/24

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	8.03		8.00		100	70-130			

LCS (2437004-BS1) Prepared: 09/09/24 Analyzed: 09/11/24

Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			

Matrix Spike (2437004-MS1) Source: E409057-06 Prepared: 09/09/24 Analyzed: 09/11/24

Benzene	5.34	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			

Matrix Spike Dup (2437004-MSD1) Source: E409057-06 Prepared: 09/09/24 Analyzed: 09/11/24

Benzene	5.40	0.0250	5.00	ND	108	54-133	1.11	20	
Ethylbenzene	5.17	0.0250	5.00	ND	103	61-133	1.22	20	
Toluene	5.30	0.0250	5.00	ND	106	61-130	1.16	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	1.24	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.16	20	
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	1.19	20	
Surrogate: 4-Bromochlorobenzene-PID	8.35		8.00		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 1:02:47PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437004-BLK1)

Prepared: 09/09/24 Analyzed: 09/11/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2437004-BS2)

Prepared: 09/09/24 Analyzed: 09/11/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike (2437004-MS2)

Source: E409057-06 Prepared: 09/09/24 Analyzed: 09/11/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike Dup (2437004-MSD2)

Source: E409057-06 Prepared: 09/09/24 Analyzed: 09/11/24

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130	1.84	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 1:02:47PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437007-BLK1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.8		50.0		87.7	50-200			

LCS (2437007-BS1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			

Matrix Spike (2437007-MS1)					Source: E409057-03		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	335	25.0	250	184	60.5	38-132			
Surrogate: n-Nonane	44.3		50.0		88.6	50-200			

Matrix Spike Dup (2437007-MSD1)					Source: E409057-03		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	357	25.0	250	184	69.4	38-132	6.39	20	
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 1:02:47PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437010-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437010-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2437010-MS1)					Source: E409057-03		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	313	20.0	250	54.6	103	80-120			
Matrix Spike Dup (2437010-MSD1)					Source: E409057-03		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	313	20.0	250	54.6	103	80-120	0.156	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 13:02

- 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: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT				EPA Program				
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA				
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 4091057		01058-0007					5 day TAT							
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method										RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	TX	GDGC	State				
Phone: 432-305-6414				Email: jim.raley@devn.com												NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 21179750																
Incident ID: NAPP2328556508																				
Collected by: Edyte Konan																Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
12:20	09.05.24	S	1	FS01	1	0-0.25'							X							
12:30	09.05.24	S	1	FS02	2	0-0.25'							X							
12:40	09.05.24	S	1	FS03	3	0-0.25'							X							
12:50	09.05.24	S	1	FS04	4	0-0.25'							X							
13:00	09.05.24	S	1	FS05	5	0-0.25'							X							
13:10	09.05.24	S	1	FS06	6	0-0.25'							X							
13:20	09.05.24	S	1	FS07	7	0-0.25'							X							
13:30	09.05.24	S	1	FS08	8	0-0.25'							X							
13:40	09.05.24	S	1	FS09	9	0-0.25'							X							
13:50	09.05.24	S	1	FS10	10	0-0.25'							X							

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: Y/ N T1 T2 T3 AVG Temp °C 4
<i>[Signature]</i>	09/06/24	11:00	Michelle Gonzales	9-6-24	11:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Michelle Gonzales	9-6-24	1630	<i>[Signature]</i>	9-6-24	1648	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	9-6-24	2354	Kara Schwan	9/7/24	7:25	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech



Client: Devon Energy Production Co LP				Bill To		Lab Use Only						TAT			EPA Program					
Project: FLAGLER 8 CTB 1				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Erick Herrera				Address: 5315 Buena Vista Dr.		E 409057		01058 0007					5 day TAT							
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA			
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State						
Phone: 432-305-6414				Email: jim.raley@devn.com										NM	CO	UT	AZ	TX		
Email: Devon-team@etechnv.com				WO: 21179750																
Incident ID: NAPP2328556508																				
Collected by: Edyte Konan																Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
14:00	09.05.24	S	1	FS11	11	0-0.25'							X							
14:10	09.05.24	S	1	FS12	12	0-0.25'							X							
14:20	09.05.24	S	1	FS13	13	0-0.25'							X							
14:30	09.05.24	S	1	FS14	14	0-0.25'							X							
09/06/2024																				
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
		09/06/24		11:00		Michelle Gonzales		9-6-24		11:00		Received on ice: Y / N								
Michelle Gonzales		9-6-24		1630				9-6-24		1648		T1 T2 T3								
		9-6-24		2351								AVG Temp °C								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:35:43AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 07:25	Work Order ID:	E409057
Phone:	(575) 748-0176	Date Logged In:	09/07/24 07:24	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Erick Herrera



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: FLAGLER 8 CTB 1

Work Order: E409054

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/13/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/13/24



Erick Herrera  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: FLAGLER 8 CTB 1  
Workorder: E409054  
Date Received: 9/7/2024 7:00:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:00:00AM, under the Project Name: FLAGLER 8 CTB 1.

The analytical test results summarized in this report with the Project Name: FLAGLER 8 CTB 1 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 regarding 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:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-0.25'	E409054-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW02 0-0.25'	E409054-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW03 0-0.25'	E409054-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW04 0-0.25'	E409054-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW05 0-0.25'	E409054-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW06 0-0.25'	E409054-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW07 0-0.25'	E409054-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
SW08 0-0.25'	E409054-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.

## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

**SW01 0-0.25'**

**E409054-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		107 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		107 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		77.6 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	175	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW02 0-0.25'

E409054-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		74.2 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	172	20.0	1	09/09/24	09/09/24	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW03 0-0.25'

E409054-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.9 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	162	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW04 0-0.25'

E409054-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.0 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW05 0-0.25'

E409054-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		81.9 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: FLAGLER 8 CTB 1 Project Number: 01058-0007 Project Manager: Erick Herrera	Reported: 9/13/2024 2:35:28PM
-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	----------------------------------

SW06 0-0.25'  
E409054-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		111 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		111 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		78.8 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW07 0-0.25'

E409054-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		109 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.4 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: FLAGLER 8 CTB 1  
Project Number: 01058-0007  
Project Manager: Erick Herrera

**Reported:**  
9/13/2024 2:35:28PM

SW08 0-0.25'

E409054-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2437003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/09/24	09/10/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/09/24	09/10/24	
Surrogate: Toluene-d8		110 %	70-130	09/09/24	09/10/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2437006
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		80.3 %	50-200	09/09/24	09/11/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2437013
Chloride	ND	20.0	1	09/09/24	09/09/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:35:28PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

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: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS1) Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.46	0.0250	2.50		98.5	70-130			
Ethylbenzene	2.47	0.0250	2.50		98.7	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.44	0.0250	2.50		97.6	70-130			
p,m-Xylene	4.90	0.0500	5.00		97.9	70-130			
Total Xylenes	7.34	0.0250	7.50		97.8	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2437003-MS1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.1	45-135			
Toluene	2.47	0.0250	2.50	ND	98.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike Dup (2437003-MSD1) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Benzene	2.39	0.0250	2.50	ND	95.7	48-131	0.0627	23	
Ethylbenzene	2.45	0.0250	2.50	ND	98.1	45-135	0.984	27	
Toluene	2.50	0.0250	2.50	ND	99.8	48-130	1.15	24	
o-Xylene	2.43	0.0250	2.50	ND	97.3	43-135	1.34	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.3	43-135	0.298	27	
Total Xylenes	7.30	0.0250	7.50	ND	97.3	43-135	0.646	27	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:35:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437003-BLK1) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

LCS (2437003-BS2) Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.6	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2437003-MS2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike Dup (2437003-MSD2) Source: E409054-06 Prepared: 09/09/24 Analyzed: 09/10/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.7	70-130	0.670	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:35:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437006-BLK1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			

LCS (2437006-BS1)					Prepared: 09/09/24 Analyzed: 09/11/24				
Diesel Range Organics (C10-C28)	209	25.0	250		83.6	38-132			
Surrogate: n-Nonane	42.3		50.0		84.7	50-200			

Matrix Spike (2437006-MS1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.9	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2437006-MSD1)					Source: E409054-02		Prepared: 09/09/24 Analyzed: 09/11/24		
Diesel Range Organics (C10-C28)	196	25.0	250	ND	78.4	38-132	3.15	20	
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Erick Herrera	9/13/2024 2:35:28PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2437013-BLK1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0							
LCS (2437013-BS1)					Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437013-MS1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2437013-MSD1)					Source: E409054-05		Prepared: 09/09/24 Analyzed: 09/09/24		
Chloride	256	20.0	250	ND	102	80-120	0.0375	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

Devon Energy - Carlsbad	Project Name:	FLAGLER 8 CTB 1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Erick Herrera	09/13/24 14:35

- 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: Devon Energy Production Co LP	Bill To	Lab Use Only	TAT	EPA Program										
Project: FLAGLER 8 CTB 1	Attention: Jim Raley	Lab WO# E 409054	1D 2D 3D	CWA SDWA										
Project Manager: Erick Herrera	Address: 5315 Buena Vista Dr.	Job Number 01058-0007	Standard 5 day TAT											
Address: 13000 W County Rd 100	City, State, Zip: Carlsbad, NM, 88220	Analysis and Method		RCRA										
City, State, Zip: Odessa, TX, 79765	Phone: 575-885-7502	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 432-305-6414	Email: jim.raley@dvn.com									NM	CO	UT	AZ	TX
Email: Devon-team@etechenv.com	WO: 21179750													
	Incident ID: NAPP2328556508													

Collected by: Edyte Konan

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
11:00	09.05.24	S	1	SW01	1	0-0.25'						X		
11:10	09.05.24	S	1	SW02	2	0-0.25'						X		
11:20	09.05.24	S	1	SW03	3	0-0.25'						X		
11:30	09.05.24	S	1	SW04	4	0-0.25'						X		
11:40	09.05.24	S	1	SW05	5	0-0.25'						X		
11:50	09.05.24	S	1	SW06	6	0-0.25'						X		
12:00	09.05.24	S	1	SW07	7	0-0.25'						X		
12:10	09.05.24	S	1	SW08	8	0-0.25'						X		

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: EK

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	09/06/2024	1100	Michelle Gonzales	9-6-24	1100	Received on ice: Y/ N
Michelle Gonzales	9-6-24	1630	<i>[Signature]</i>	9-6-24	1648	T1 T2 T3
<i>[Signature]</i>	9-6-24	2353	Rana Sharma	9/7/24	7:00	AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

## Envirotech Analytical Laboratory

Printed: 9/9/2024 11:19:57AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24 07:00	Work Order ID:	E409054
Phone:	(575) 748-0176	Date Logged In:	09/07/24 07:14	Logged In By:	Raina Schwanz
Email:		Due Date:	09/13/24 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 the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? 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
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

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 filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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## APPENDIX G

### Correspondence & Notifications

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P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



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

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

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

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

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

QUESTIONS  
  
Action 380676

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380676
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2328556508
Incident Name	NAPP2328556508 FLAGLER 8 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	10/10/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,815
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/30/2024
Time sampling will commence	08:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Co Rd 2 and Resource Ln stay right at the fork and head south for 2.5 miles, turn right for 2.2 miles to reach Flagler CTB (32.140569, -103.602434).

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 380676

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 380676
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024



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

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

QUESTIONS  
  
Action 379915

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 379915
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2328556508
Incident Name	NAPP2328556508 FLAGLER 8 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	10/10/2023
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,815
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/05/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Co Rd 2 and Resource Ln stay right at the fork and head south for 2.5 miles, turn right for 2.2 miles to reach Flagler CTB (32.140569, -103.602434).

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
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1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 379915

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 379915
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/3/2024

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 405288

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405288
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2328556508
Incident Name	NAPP2328556508 FLAGLER 8 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2122855254] FLAGLER 8 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	FLAGLER 8 CTB 1
Date Release Discovered	10/10/2023
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 the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Crude Oil   Released: 8 BBL   Recovered: 3 BBL   Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	flowline to 3 phase 36H ruptured and caused a leak underground at the facility. Leak was isolated on both ends and truck dispatched to remove standing fluid.

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**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 405288

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405288
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvsn.com Date: 11/20/2024
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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 405288

**QUESTIONS (continued)**

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	Action Number: 405288
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**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>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.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2610
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	20200
GRO+DRO (EPA SW-846 Method 8015M)	14800
BTEX (EPA SW-846 Method 8021B or 8260B)	4.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>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>	
On what estimated date will the remediation commence	09/05/2024
On what date will (or did) the final sampling or liner inspection occur	01/31/2025
On what date will (or was) the remediation complete(d)	01/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	919
What is the estimated volume (in cubic yards) that will be remediated	88
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 405288

**QUESTIONS (continued)**

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	Action Number: 405288
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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)	Not answered.
<i>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>	
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: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 11/20/2024
<i>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.</i>	

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QUESTIONS, Page 5  
  
Action 405288

QUESTIONS (continued)

Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:  6137
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	Action Type:  [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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Action 405288

**QUESTIONS (continued)**

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**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	379916
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/06/2024
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	1815

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 405288

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	The remediation plan is approved as written. Devon has 90-days (March 10, 2025) to submit to OCD its appropriate or final remediation closure report.	12/10/2024