

# SITE CHARACTERIZATION AND REMEDIATION PLAN

Prepared For:

Devon Energy Production Company, LP
5315 Buena Vista Dr.
Carlsbad, NM 88220

Site Information:

Boundary Raider 5 Federal #231H Incident Number nAPP2501341167

Unit D, Section 8, Township 23 South, Range 32 East

Lea County, New Mexico

(32.32599 °, -103.70181°)

Carlsbad ● Houston ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

#### **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 soil sampling activities associated with an inadvertent release of crude oil and produced water at the Boundary Raider 5 Federal #231H (Site). Based on laboratory analytical results, Devon proposes this SCRP, which summarizes initial response efforts and details remediation objectives to rectify environmental impacts.

#### SITE LOCATION AND RELEASE BACKGROUND

The Site is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM). On January 12, 2025, a packing leak on the wellhead released approximately 10 barrels (bbls) of crude oil and 26 bbls of produced water onto the well pad surface and sprayed over the adjacent southwestern pasture. A vacuum truck was immediately dispatched and recovered approximately 9 bbls of crude oil and 24 bbls of produced water. Following the discovery, Etech mapped the observed release footprint, hereafter referred to as the Area of Concern (AOC) (Figure 2 in Appendix A), utilizing a handheld Geospatial Positioning System (GPS) receiver. Following the release, Devon immediately notified the New Mexico Oil and Conservation Division (NMOCD) on a Notice of Release (NOR) on January 12, 2025, and subsequent Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on January 14, 2025, and was assigned Incident Number nAPP2501341167.

#### SITE CHARACTERIZATION

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 is estimated to be between 51 and 100 feet below ground surface (bgs) based off a nearby dry soil boring advance by H & R Enterprises, LLC located approximately 0.35 mile west of the Site. Soil boring (CP-2036-POD1), also identified as (C-04942) in the NMOCD Oil and Gas map was advanced on January 27, 2025, via a truck mounted drill rig equipped with air rotary to a total depth of 55 feet bgs. No fluids were observed throughout the drilling process nor after the 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.** 

The potential receptors listed above 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 an estimated depth of 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 8260B/8260B	50 mg/kg

<sup>&</sup>lt;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**

From January to February 2025, Etech conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Eighteen delineation potholes (PH01 through PH18) were advanced via hand auger and/or mechanical equipment, driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples were collected from each delineation soil sampling location, representing the highest observed field screening concentration(s) 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 indicated that concentrations of COCs for all delineation soil samples were below the applicable Site Closure Criteria, except for soil sample PH01 at 0.5-foot bgs. The soil sample exhibited an exceedance of TPH-GRO + TPH-DRO, which is characterized by a concentration of 1,510 mg/kg. 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**.

Laboratory analytical results for soil samples assisting with lateral delineation (PH07 through PH12, and PH16 through PH18) were in compliance with the Site Closure Criteria and/or reclamation standard.

#### **CONFIRMATION SOIL SAMPLING ACTIVIES**

On April 3, 2025, Etech collected 5-point composite confirmation soil samples from the AOC (FS01 through FS80) and edge boundaries (SW01 through SW04), representing no more than 200 square feet per composite soil sample. Soil was field screened for VOCs and chloride as previously described. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then handled and analyzed as previously described. The confirmation soil sample locations are shown in **Figure 3** in **Appendix A**. Photographic documentation of confirmation soil sampling activities is included in **Appendix D**.

#### **CONFIRMATION LABORATORY ANALYTICAL RESULTS**

Laboratory analytical results for the confirmation soil samples indicated BTEX concentrations were below the Site Closure Criteria. TPH-GRO + TPH-DRO and/or TPH concentrations present up to 2-feet bgs exceeded the Site Closure Criteria based on delineation soil samples within the AOC. Laboratory analytical results indicated chloride concentrations exceeded the Site Closure Criteria at confirmation soil sampling locations FS77 and FS78.

The remaining confirmation soil samples indicated COCs concentrations were below the Site Closure Criteria. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of custody forms and laboratory analytical reports are provided in **Appendix F**.

#### PROPOSED REMEDIATION WORK PLAN

Residual soil impact have been sufficiently vertically and horizontally delineated as defined by the Site Closure Criteria. TPH-GRO + TPH-DRO/TPH concentrations exceedances above the Site Closure Criteria were presented within the AOC, specifically within the proximity of delineation soil sampling location PH01 and approximately half of the confirmation soil samples. Further remedial action is required to address residual soil impacts.

Based on delineation and confirmation soil sample laboratory analytical results, the following conclusions regarding the release are presented:

Based on the conclusions presented above, Devon proposes the following remedial corrective actions:

- Excavation(s) will be advanced laterally and vertically until the Site Closure Criteria and/or reclamation standard is met to the Maximum Extent Practical (MEP). The proposed excavation extent can be referenced on Figure 4 in Appendix A. However, advancement of the excavation may be inhibited by active production equipment or utilities, in which case, Devon may implement encroachment requirements for the health and safety of on-site personnel and for the structural integrity of active production equipment. Such restrictions include:
  - Decreasing the proposed excavation depth(s) in order to maintain surface and/or subsurface utility and production equipment stability.
  - Decreasing or alternating the proposed excavation extent(s) in order to maintain surface and/or subsurface utility and production equipment stability.
- Impacted soil will be transported to a nearby landfill facility for disposal under approved Devon waste manifests.
- Following the completion of excavation activities, 5-point composite confirmation soil samples will be collected from the excavation floor and sidewalls. Confirmation soil samples will be collected, handled, and analyzed for COCs by an accredited laboratory as previously described.
  - Due to the large excavation(s) square footage (11,854 square feet) Devon requests a sampling variance of which confirmation soil samples represent a maximum of 400 square feet per soil sample. As such, 30 samples are anticipated to be collected from the excavation(s) floors compared to 60 soil sampling following the standard 200 square foot soil sampling frequency. The sampling frequency for the edge will remain at 200 square feet.
  - The Site is not located within or near any sensitive receptors and depth to groundwater was estimated between 51-100 feet bgs based on soil boring (CP-2036-POD1).
- Upon receipt of confirmation soil sample laboratory analytical results indicating compliance with the applicable Site Closure Criteria, Devon will backfill the excavation(s) with clean, locally

sourced soil and restored to "as close to its original state as possible" and re-seed the total disturbed area with the appropriate BLM seed mix according to BLM guidelines within the top four feet of the pasture.

#### PROPOSED SCHEDULE

Upon the notice of NMOCD approval of this SCRP, Devon will begin the proposed remediation activities and determine the next appropriate measure of action that will include:

 Documenting the removal of impacted soil and restoration at the Site with a subsequent Closure Request Report detailing excavation confirmation soil sampling activities and Site restoration activities including, but not limited to backfilling the excavation with clean, locally sourced soil and restored to "as close to its original state as possible."

OR

• If warranted, documenting and estimating an amount of impacted soil located directly adjacent and/or beneath active production equipment and utilities to be left in place at the Site with a subsequent Deferral Request Report detailing remediation efforts and soil sampling activities.

Devon believes this SCRP will meet the requirements set forth in NMAC 19.15.29.13 and to be protective of human health, the environment, and groundwater. As Such Devon respectfully requests approval of this SCRP from the NMOCD.

If you have any questions or comments, please do not hesitate to contact Erick Hererra at (432) 305-6416 or <a href="mailto:erick@etechenv.com">erick@etechenv.com</a> or Joseph S. Hernandez at (432) 305-6413 or <a href="mailto:joseph@etechenv.com">joseph@etechenv.com</a>. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Hererra Project Geologist

Ericl &

Joseph S. Hernandez Senior Managing Geologist

Joyn SHd

CC:

Jim Raley, Devon

New Mexico Oil Conservation Division

**Bureau of Land Management** 

Appendices:

Appendix A: Figure

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 Excavation 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

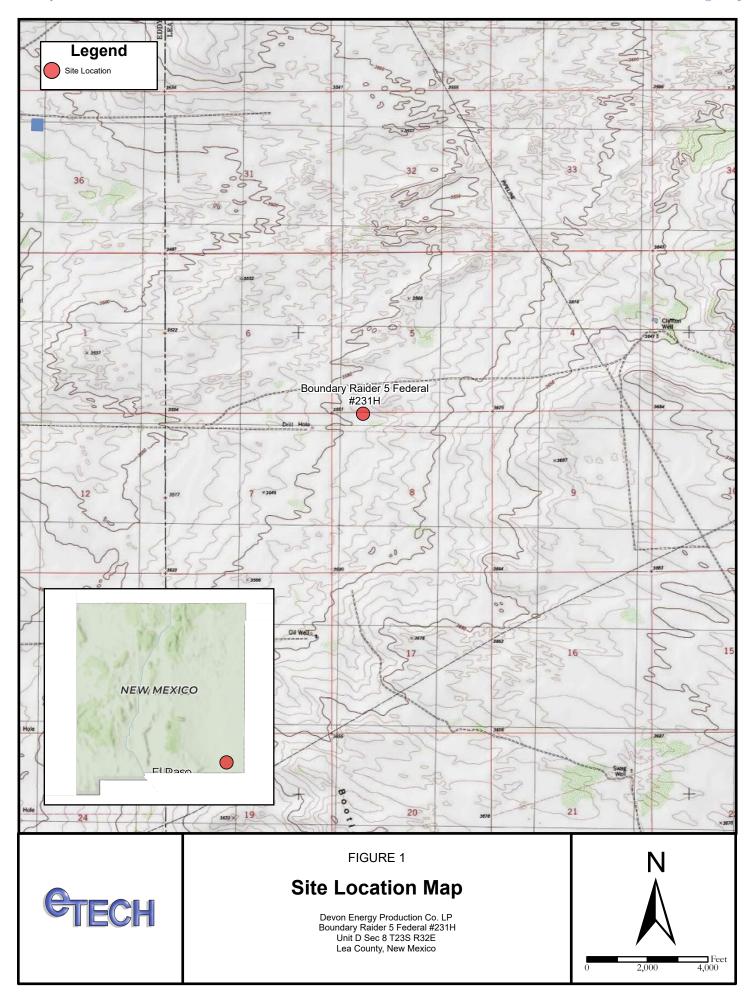
**Appendix G**: Correspondence & Notifications

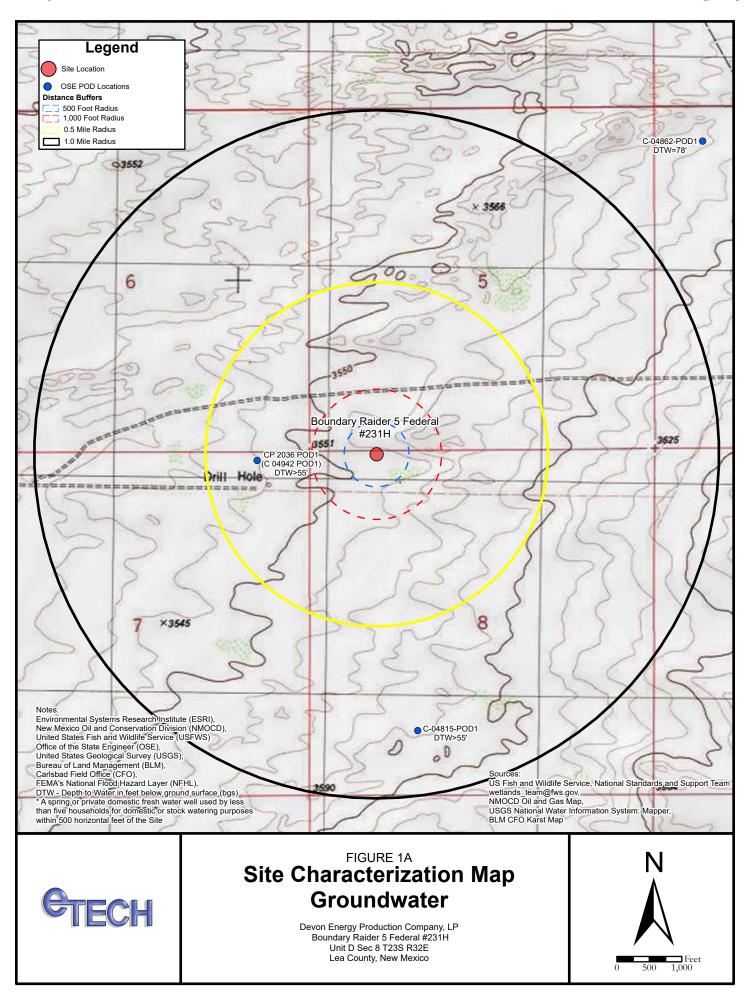
## **APPENDIX A**

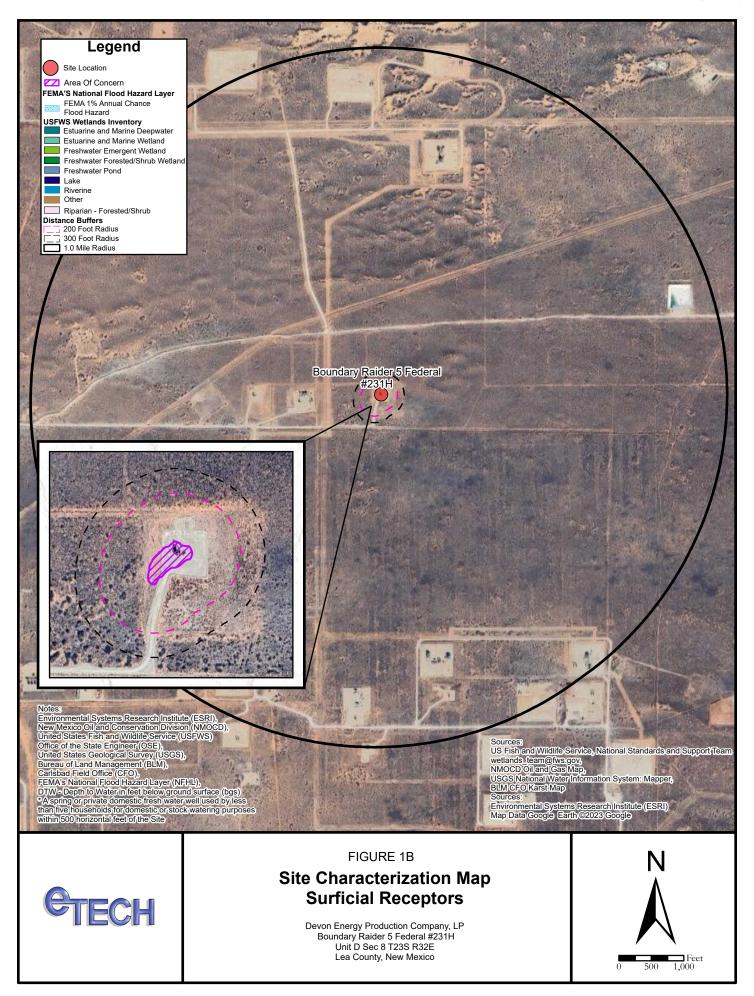
Figures

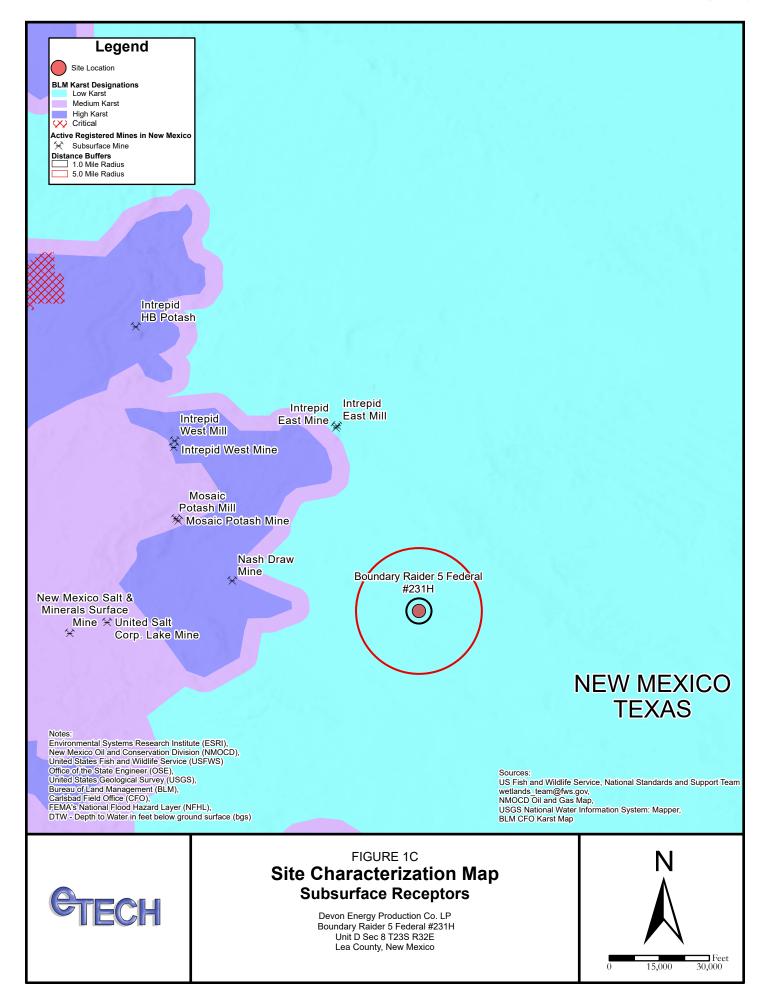
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

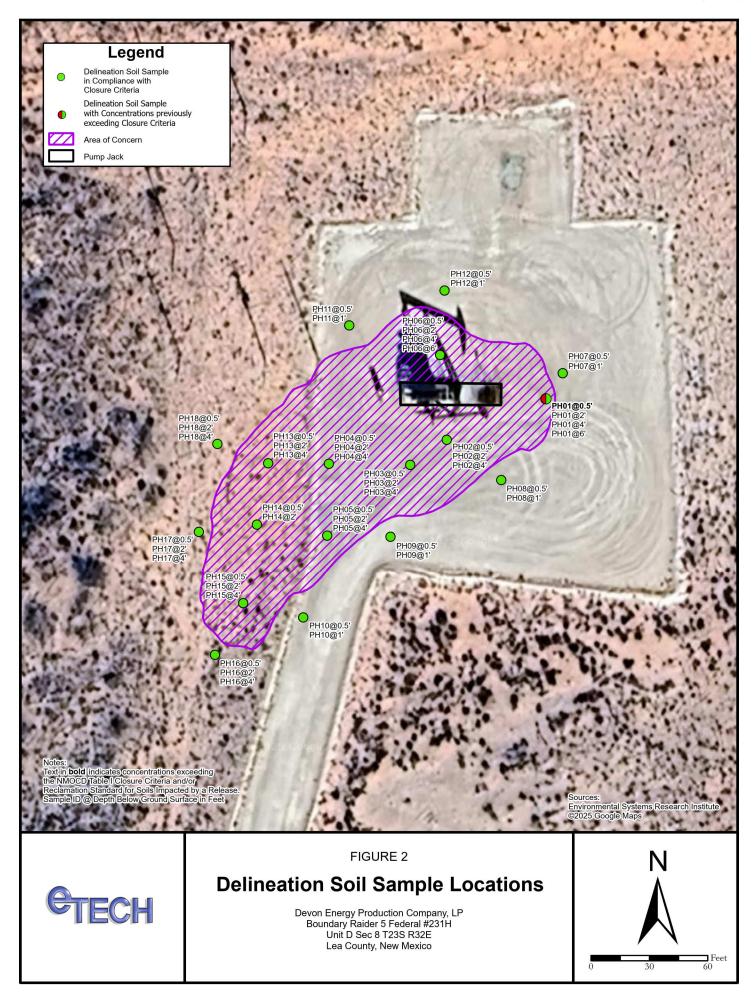


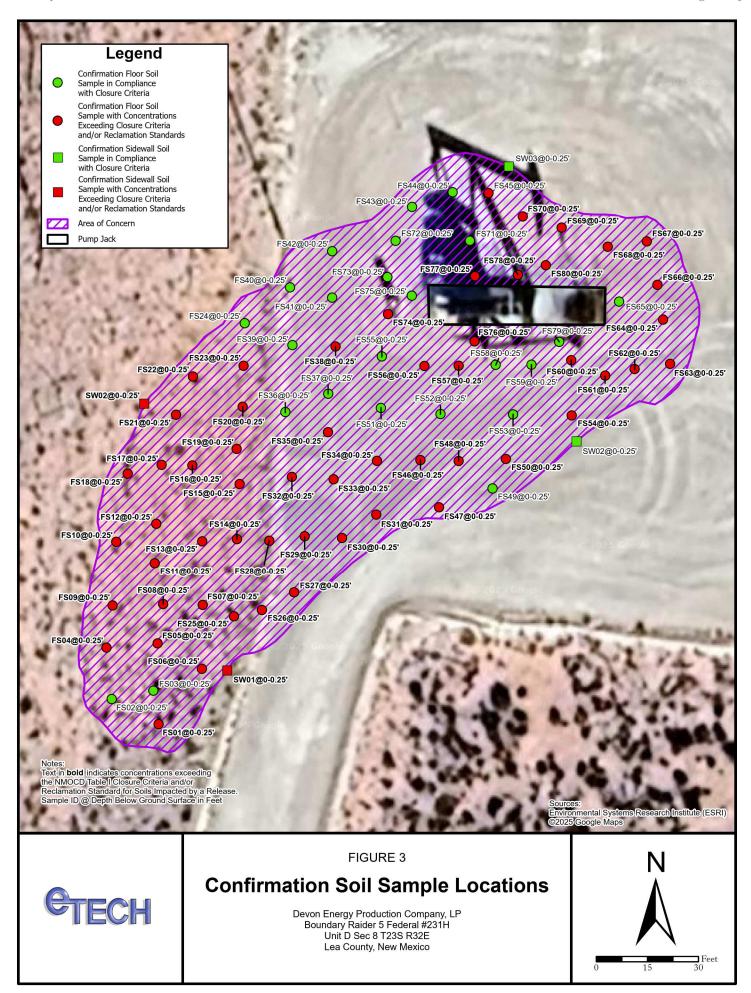


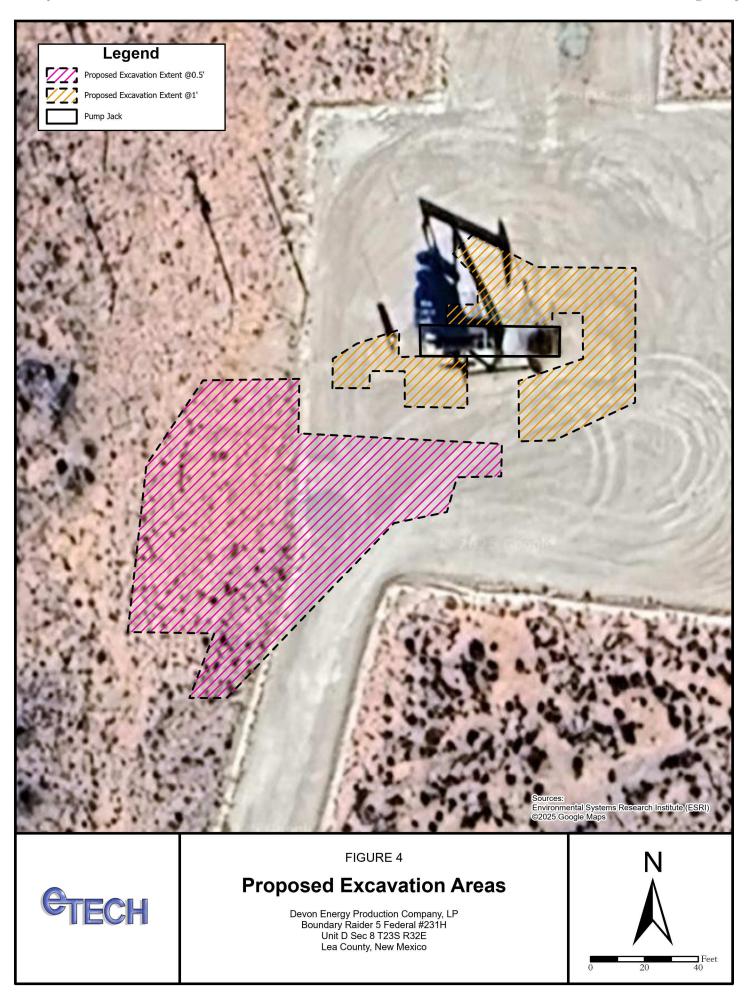












### **APPENDIX B**

Well Reference Records

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Z	OSE POD NO. Pod 1	(WELL NO.)	)		WELL TAG ID NO			OSE FILE NO(S). CP-2036					
ATIO	WELL OWNE	R NAME(S)						PHON	E (OPTIC	ONAL)			
LOC	Devon Ener							CITY			STAT		ZIP
VELL	WELL OWNE							Carlst	oad		NM	88220	Zii
GENERAL AND WELL LOCATION	WELL LOCATION	I LAT	DE	EGREES 32	MINUTES 19	SECON 32		* ACC	* ACCURACY REQUIRED: ONE TENTH OF A SECOND				
ERA	(FROM GPS	6	IGITUDE	103 42 28.2 W * DATUM REG						QUIRED: WGS 84			
1. GE	DESCRIPTION S7 T23s R3		G WELL LOCATION TO	STREET ADD	RESS AND COMMO	N LANDM	IARKS – PLS	SS (SECT	ION, TO	WNSHJIP, RANGE) WH	ERE AV	'AILABLE	
	LICENSE NO. NAME OF LICENSED DRILLER  WD-1862  NAME OF WELL  James Hawley  H												
	DRILLING ST 1-23-		DRILLING ENDED 1-23-25	DEPTH OF C	OMPLETED WELL (F	T)	BORE HO	LE DEPT 55'	TH (FT)	DEPTH WATER FIR		OUNTERED (FT)	)
Z	COMPLETED	WELL IS:	ARTESIAN *add		OLE SHALLO	W (UNCC	ONFINED)	IN COMPLETED WELL NI/A				TIC MEASURED -27-25	
ATIO	DRILLING FL	.UID:	✓ AIR	☐ MUD	ADDITIV	/ES – SPE	CIFY:			L gymgy	· · · · · · · · · · · · · · · · · · ·	E PET EGG A DA	DTED IC
ORM	DRILLING M	ETHOD: 🗸	ROTARY HAM	MER CAI	BLE TOOL OTH	IER – SPE	CIFY:			INSTAI	LLED	IF PITLESS ADA	PIEKIS
DRILLING & CASING INFORMATION	DEPTH (	(feet bgl) TO	BORE HOLE DIAM (inches)	(include	(include each casing string, and			ASING NECTION				SING WALL HICKNESS (inches)	SLOT SIZE (inches)
& CA	0'	55'	6'		casing left in hole	<i>'</i>	(add coup	coupling diameter)					
ING													
RIL													
2. I													
											1		
	DEPTH	(feet hal)	DODE HOLE	LIST ANN	IULAR SEAL MATE			EL PACK	SIZE-	AMOUNT		METHO	OD OF
AL	FROM	TO	BORE HOLE DIAM. (inches)	*(if using C	RANGE I Centralizers for Artes			e spacin	g below)	(cubic feet)		PLACE	
3. ANNULAR MATERIAL	11011			100		N/A							
ARM													
NNOT													
3. A													
	OSE INTER									0 WELL RECORD	0.10		22/2022)

FILE NO. POD NO. TRN NO.

LOCATION WELL TAG ID NO. PAGE 1 OF 2

		A THE REST LEAD OF					
	DEPTH (:	feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL EN INCLUDE WATER-BEARING CAVITIES OR (attach supplemental sheets to fully des	FRACTURE ZONES	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING
	01	151	151	Com d		Y / N	ZONES (gpm)
	0'	15'	15'	Sand		Y ✓ N Y ✓ N	
	15'	25'	10'	Sandy Red Clay	Y VN		
	25'	30'	5' 25'	Grey Clay Sandy Red Clay	Y ✓ N		
	30'	55'	23	Salidy Red Clay		YN	
						Y N	
4. HYDROGEOLOGIC LOG OF WELL						YN	
F W						YN	
0 90						Y N	
СГС						YN	
190						YN	
EOL						YN	
OG						Y N	
YDR			-			Y N	
4. H						Y N	
						Y N	
						Y N	
			-			Y N	
						Y N	
						Y N	
						Y N	
	METHOD I	ISED TO E	STIMATE VIELD	OF WATER-BEARING STRATA:	Т	OTAL ESTIMATED	
	PUM		_	BAILER OTHER - SPECIFY: DTGW B	١,	WELL YIELD (gpm):	0.00
NOIS	WELL TES	T TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING W ME, AND A TABLE SHOWING DISCHARGE AND	VELL TESTING, INCLU DRAWDOWN OVER	UDING DISCHARGE THE TESTING PERIO	METHOD, DD.
TEST; RIG SUPERVISI	MISCELLA	NEOUS IN	W	epth to groundwater bore was gauged for water on the series removed, bore hole was backfilled with drill of the ured from 10' BGS to surface.	on 1-27-25. DTGW becutting to 10' BGS. Hy	ore was dry. Tempor ydrated bentonite hol	ary well casing e plug was
5. TEST	PRINT NAM		PRILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVIS	ION OF WELL CONST	RUCTION OTHER TH	IAN LICENSEE:
ATURE	CORRECT	RECORD (	OF THE ABOVE I	IES THAT, TO THE BEST OF HIS OR HER KNO DESCRIBED HOLE AND THAT HE OR SHE WILL O DAYS AFTER COMPLETION OF WELL DRILL	FILE THIS WELL REC	F, THE FOREGOING CORD WITH THE ST.	IS A TRUE AND ATE ENGINEER
6. SIGNATURE		De	why	James Hawley		1-28-25	
	/	SIGNA	TURE OF DRILLE	R / PRINT SIGNEE NAME		DATE	
FOI	R OSE INTER	NAL USE			WR-20 WELL	RECORD & LOG (Ve	rsion 09/22/2022)
	E NO.		-	POD NO.	TRN NO.	200(10	
LOC	CATION				WELL THE CIP VIC		PAGE 2 OF 2



## PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	NERAL / WELL OWNERSHIP:							
	Ingineer Well Number: CP-2036-POD1	-		DI.	N.T.			
Well o	wner: Devon Energy	Phone No.:						
	g address: 5315 Buena Vista Drive	1		NIM		88220		
City: _	Carlsbad	State:		INIVI		_ Zip code: <u>88220</u>		
	ELL PLUGGING INFORMATION:  Name of well drilling company that plug	and wall.	H&R Enter	prises, LLC.				
1)								
2)	New Mexico Well Driller License No.:	WD-1862			Expira	ation Date: 6-16-25		
3)	Well plugging activities were supervised Nathan Smelcer	by the follo	wing well	driller(s)/rig s	supervisor(s	):		
4)	Date well plugging began: 1-27-25		_ Date	well plugging	concluded:	1-27-25		
5)	GPS Well Location: Latitude: Longitude:	32 103	_deg, _deg,	19 min, 42 min,	32.8 28.2	sec sec, WGS 84		
6)	Depth of well confirmed at initiation of p by the following manner: well sounder	olugging as:	55'	ft below gro	ound level (	bgl),		
7)	Static water level measured at initiation of	of plugging:	N/A	ft bgl				
8)	Date well plugging plan of operations wa	as approved	by the Sta	ate Engineer:	11-22-24	_		
9)	Were all plugging activities consistent w differences between the approved pluggi							

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with 10) horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

#### For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
_	0' - 10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Pour	
_	10' - 55' Drill Cuttibgs	Approx. 67 gallons	67 gallons	Pour	
_				,	
3					
-					
_					
-					
_					
=					
_		MULTIPLY	BY AND OBTAIN		
		cubic feet x 7.	4805 = gallons		

#### III. SIGNATURE:

I, James nawley	, say that I am familiar with the rules	of the Office of the State
Engineer pertaining to the plugging of wells and that	each and all of the statements in this Pluggi	ing Record and attachments
are true to the best of my knowledge and belief.		
	Shurh	1-28-25
	Signature of Well Driller	Date

201.97

cubic yards

Version: September 8, 2009 Page 2 of 2

## **APPENDIX C**

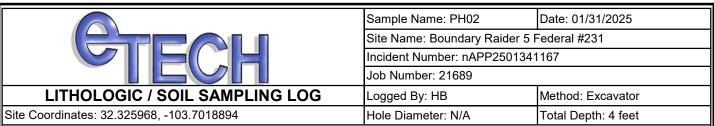
Soil Sampling Logs

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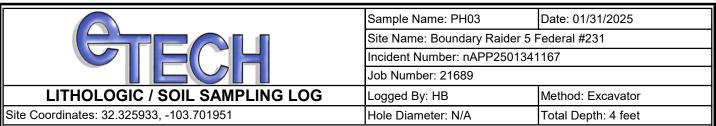
GTECH	Sample Name: PH01 Site Name: Boundary Raider 5 F Incident Number: nAPP2501341 Job Number: 21689	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: HB	Method: Excavator
Site Coordinates: 32.326025, -103.701725	Hole Diameter: N/A	Total Depth: 6 feet

P 0												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes				
Dry	4,120	940	Yes	PH01	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness, stained with odor.				
Dry	<116	26.6	No		1 <u>-</u> -	1	SP-SM	(1-6') SAND, dry, brown, poorly graded with silt, very very fine to fine grain, low cohesiveness, some clay, no staining, or odor.				
Dry	196	20.1	No	PH01	2 -	2						
Dry	228	2.7	No		3 <u>-</u> -	3						
Dry	196	4.5	No	PH01	4 <u>-</u> -	4						
					5 <u>-</u> -	5						
Dry	<116	2.7	No	PH01	6	6						
	Total Depth											



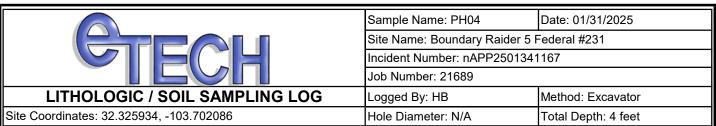
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	296	2.7	Yes	PH02	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness,
				1	_			stained with odor.
Dry	<116	0.7	No		1 _	_ 1	SP-SM	(1-4') SAND, dry, brown, poorly graded with silt, very
					- -	-		very fine to fine grain, low cohesiveness, some clay, no staining, or odor.
Dry	<116	0.5	No	PH02	2 _	2		
Dry	<116	2.7	No		3 <u>-</u>	_ 3 		
Dry	<116	0.4	No	PH02	4	4		

Dry <116 | 0.4 | No | PH02 | 4 | 4 | Total Depth



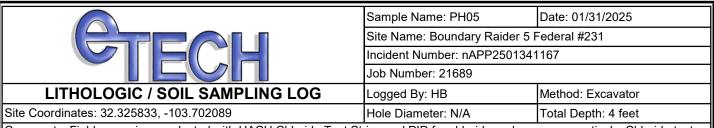
<u> </u>								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	140	9.5	Yes	PH03	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness, stained with odor.
Dry	<116	5.4	No		1 .	† 1 †	SP-SM	(1-4') SAND, dry, brown, poorly graded with silt, very very fine to fine grain, low cohesiveness, some clay, no staining, or odor.
Dry	<116	1.0	No	PH03	2 .	2		
Dry	<116	1.5	No		3 .	3		
Dry	<116	0.2	No	PH03	4	† 4		

| Total Depth | O.2 | No | PH03 | 4 | Total Depth | O.2 | No | PH03 | 4 | Total Depth | O.2 | O.2 | O.2 | O.2 | O.2 | O.2 | O.3 | O.



<u> </u>								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bos)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	368	0.2	Yes	PH04	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness, stained with odor.
Dry	<116	0.3	No		1 -	1	SP-SM	(1-4') SAND, dry, brown, poorly graded with silt, very very fine to fine grain, low cohesiveness, some clay, no staining, or odor.
Dry	<116	0.3	No	PH04	2 -	2		
Dry	<116	0.5	No		3 -	3		
Dry	<116	1.2	No	PH04	4	† 4		

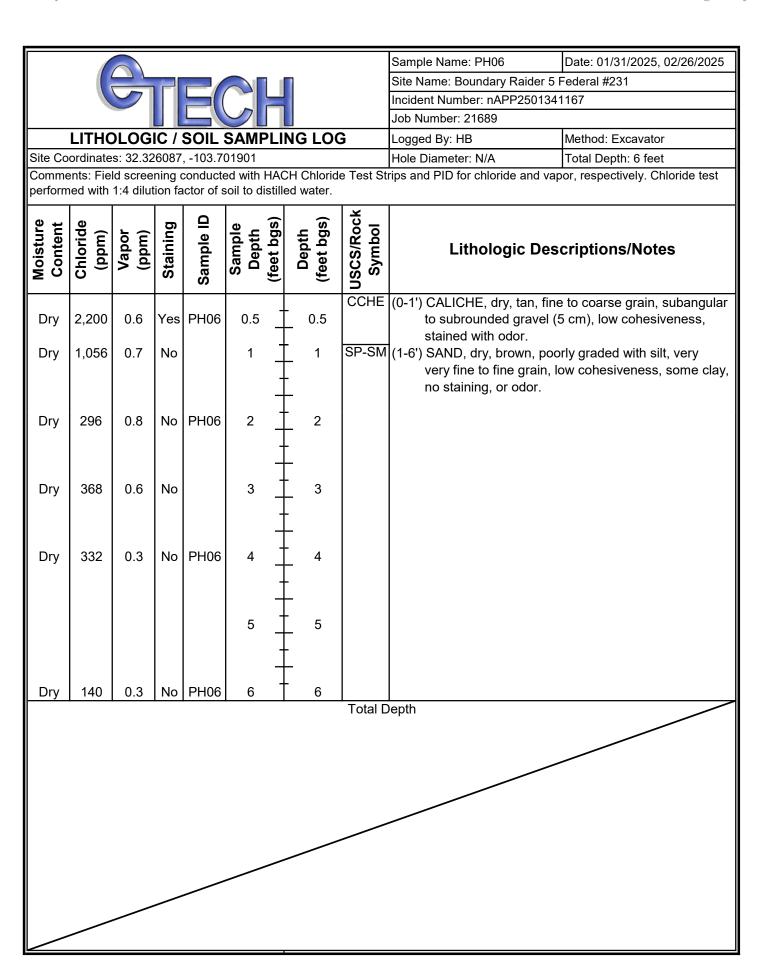
Total Depth

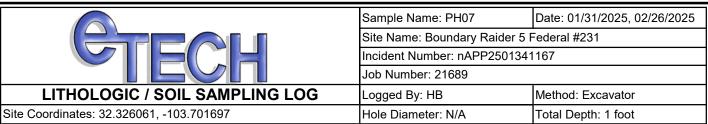


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	4.2	Yes	PH05	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness,
					_	_		stained with odor.
Dry	<116	2.0	No		1 _	[ 1	SP-SM	(1-4') SAND, dry, brown, poorly graded with silt, very
					- -	-		very fine to fine grain, low cohesiveness, some clay, no staining, or odor.
Dry	<116	0.5	No	PH05	2 _	2 -		
Dry	<116	1.0	No		3 <u>-</u> 3 <u>-</u>	- - 3 -		
Dry	<116	1.1	No	PH05	4	4		

Dry <116 1.1 No PH05 4 Total Depth

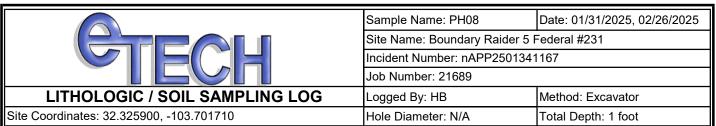
Total Depth





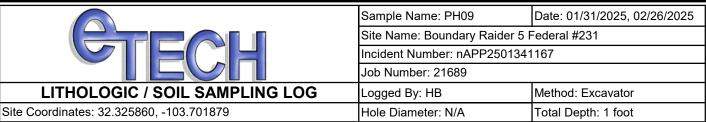
	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	(feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry Dry	196 332	0.8		PH07 PH07	0.5 1	-	- 0.5 - 1		(0-0.5') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low cohesiveness, no staining or odor (0.5-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay, no staining or odor.

Total Depth

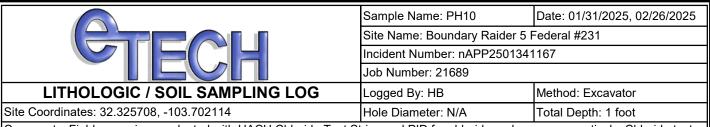


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	196	0.9	Nο	PH08	0.5	0.5	CCHE	(0-0.5') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low
	100	0.0	''	1100	0.0 -			cohesiveness, no staining or odor
Dry	<116	0.5	No	PH08	1 _	1	SP-SM	(0.5-1') SAND, dry, brown, poorly graded with silt, very
					-	_		fine to fine grain, low cohesiveness, some clay, no staining or odor.
	L	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<del></del>	

Total Depth



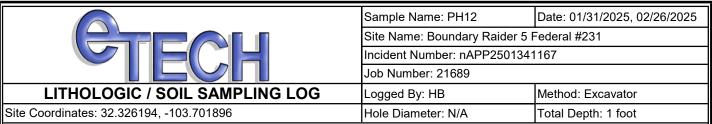
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dn	<116	4	Na	PH09	0.5	1 05	CCHE	(0-0.5') CALICHE, dry, tan, fine to coarse grain, subangular to subrounded gravel (5 cm), low
Dry	<b>\110</b>	'	INO		0.5 -	0.5		cohesiveness, no staining or odor
Dry	<116	0.7	No	PH09	1 _	1	SP-SM	(0.5-1') SAND, dry, brown, poorly graded with silt, very
						+		fine to fine grain, low cohesiveness, some clay, no staining or odor.
							<u> </u>	



Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
							CCHE	(0-0.5') CALICHE, dry, tan, fine to coarse grain,
Dry	<116	0.1	No	PH10	0.5	0.5		subangular to subrounded gravel (5 cm), low
						L		cohesiveness, no staining or odor
Dry	<116	0.5	No	PH10	1 _	_ 1	SP-SM	(0.5-1') SAND, dry, brown, poorly graded with silt, very
								fine to fine grain, low cohesiveness, some clay,
					-	Ī		no staining or odor.
	•	-		-	-		T ( ) F	

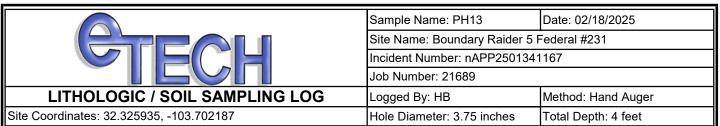
	Sample Name: PH11	Date: 01/31/2025, 02/26/2025		
	Site Name: Boundary Raider 5 Federal #231			
	Incident Number: nAPP2501341167			
	Job Number: 21689			
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: HB	Method: Excavator		
Site Coordinates: 32.326128, -103.702052	Hole Diameter: N/A	Total Depth: 1 foot		

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes				
					_		CCHE	(0-0.5') CALICHE, dry, tan, fine to coarse grain,				
Dry	228	1.5	No	PH11	0.5	0.5		subangular to subrounded gravel (5 cm), low				
					_			cohesiveness, no staining or odor				
Dry	<116	0.2	No	PH11	1 _	_ 1	SP-SM	(0.5-1') SAND, dry, brown, poorly graded with silt, very				
					_			fine to fine grain, low cohesiveness, some clay,				
								no staining or odor.				
	Total Depth											



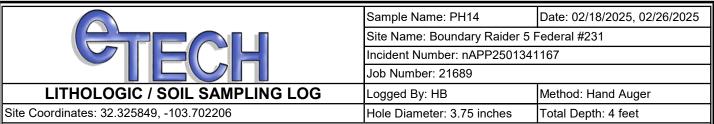
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth	(feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
							_	CCHE	(0-0.5') CALICHE, dry, tan, fine to coarse grain,
Dry	<116	0.2	No	PH12	0.5	· 4	_ 0.5		subangular to subrounded gravel (5 cm), low
							L		cohesiveness, no staining or odor
Dry	<116	0.1	No	PH12	1	$\Box$	_ 1	SP-SM	(0.5-1') SAND, dry, brown, poorly graded with silt, very
									fine to fine grain, low cohesiveness, some clay,
						1	_		no staining or odor.
								T ( ) [	

Total Depth



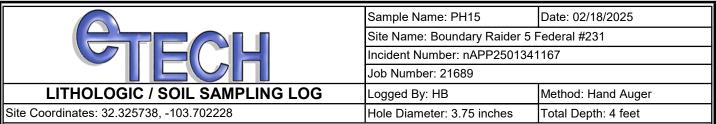
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.5	No	PH13	0.5	0.5	SP-SM	(0-1') SAND, dry, brown, poorly graded with silt, very fine to fine grain, some cohesiveness, some clay,
					_	_		no staining or odor.
Dry	<116	0.1	No		1 _	1	CCHE	(1-2') CALICHE, dry, tan, fine to coarse grain, low cohesiveness, no staining or odor.
					_	<u>-</u>		g
Dry	<116	0.2	No	PH13	2 _	2	SP-SM	(2-4') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay,
					_	<del>-</del>		no staining or odor.
Dry	<116	0.2	No		3 _	3		
					_ 	_		
Dry	<116	0.2	No	PH13	- 4	4		

Total Depth



Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
							SP-SM	(0-4') SAND, dry, brown, poorly graded with silt, very
Dry	<116	0.5	No	PH14	0.5	0.5		fine to fine grain, low cohesiveness, some clay,
					_			no staining or odor.
Dry	<116	0.8	No		1 _	_ 1		
Dry	<116	0.7	No	PH14	2 _	2		
Dry	<116	0.7	No		3 _	3		
Dry	<116	0.7	No	PH14	4	4		

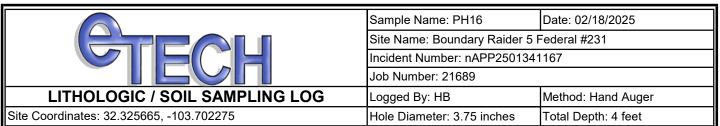
Dry <116 0.7 No PH14 4 4 Total Depth



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	<116	0.8	No	PH15	0.5	0.5	SP-SM	(0-4') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay,
						_		no staining or odor.
Dry	<116	0.8	No		1	_ 1		
Dry	<116	1.0	No	PH15	2	- - - 2 -		
Dry	<116	0.9	No		3	- - 3 -		
Dry	<116	0.7	No	PH15	4	4		

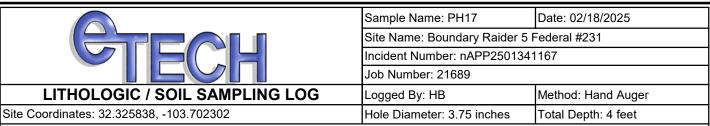
| Dry | <116 | 0.7 | No | PH15 | 4 | Total Depth | Total Depth |



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.

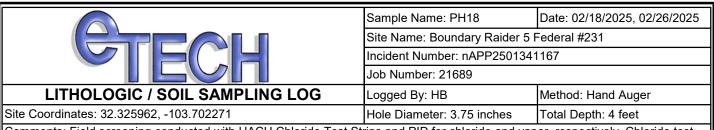
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.8	No	PH16	0.5	0.5	SP-SM	(0-4') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay,
,						_		no staining or odor.
Dry	<116	0.7	No		1	_ 1		
Dry	<116	0.6	No	PH16	2	- - - 2 -		
Dry	<116	0.6	No		3	- - 3 -		
Dry	<116	0.5	No	PH16	4	4		

Dry <116 0.5 No PH16 4 T 4 Total Depth



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	<116	0.8	No	PH17	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, low cohesiveness, no staining or odor.
Dry	<116	0.7	No		1 <u>-</u>	1	SP-SM	(1-4') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay,
Dry	<116	0.4	No	PH17	2 _	2		no staining or odor.
Dry	<116	0.4	No		3 _	3		
Dry	<116	0.4	No	PH17	- - 4	4		



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	<116	0.9	No	PH18	0.5	0.5	SP-SM	(0-4') SAND, dry, brown, poorly graded with silt, very fine to fine grain, low cohesiveness, some clay,
		0.0				_ 0.0		no staining or odor.
Dry	<116	0.9	No		1 ]	_ 1		
Dry	<116	0.9	No	PH18	2 -	- - - 2 -		
Dry	<116	0.7	No		3 _	_ _ 3 -		
Dry	<116	0.6	No	PH18	4	4		

Dry <116 | 0.6 | No | PH18 | 4 | 4 | Total Depth

## APPENDIX D

Photographic Log

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#### **PHOTOGRAPHIC LOG**

Devon Energy Production Company, LP Boundary Raider 5 Federal #231H Incident Number: nAPP2501341167



Position 4032-325991 (-103-702095 (-111-6ft)
Altitude 35-60ft (-9-9ft)
Deltom WSS-94
Avimult Bearring 2418 S38W 3876milts True (-111-)
Levertion Angle 402.0
Comp 1,033
Soundary Panidar

Photograph 1 Date: 01/23/2025
Description: Northwestern view of observed release footprint

Photograph 2 Date: 01/23/2025
Description: Southwestern view of observed release footprint





Photograph 3 Date: 01/31/2025
Description: Northwestern view of delineation activities

Photograph 4 Date: 01/31/2025
Description: Southwestern view of delineation activities



#### **PHOTOGRAPHIC LOG**

Devon Energy Production Company, LP Boundary Raider 5 Federal #231H Incident Number: nAPP2501341167



Position. +032.311480 / -103.722947 (±4715.6ft)
Altitude. 3567ft (±19.5ft)
Dalum. W6S-84
Azimuth/Bearing. 125. S55E. 2222mils True (±11)
Elevation Angle. -26.2
Horizon Angle. -04.7
Zoom. 0.5X
Boundary Weider

Photograph 5 Date: 02/18/2025

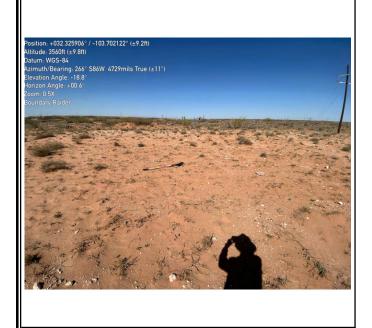
Description: View of delineation activities

complete northwest of release footprint

Photograph 6 Date: 02/26/2025

Description: View of delineation activities

complete southeast of release footprint



Position: +032 326012° / -103.701904° (±10.8ft)
Attitude: 3564ft (±9.8ft)
Datum: W6S-84
Azimuth/Bearing: 254° S74W 4516mils True (±11°)
Elevation Angle: -24.7°
Herizon Angle: +01.3
Zoom: 0.5X
Boundary Raider

Photograph 7 Date: 04/03/2025
Description: View of confirmation soil sampling activities

Photograph 8 Date: 04/03/2025
Description: View of confirmation soil sampling activities

## APPENDIX E

**Tables** 

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				1			1			
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 Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
	<del>,</del>			Delineation So	i Dil Samples - Incident N	Number nAPP25013411	167			
PH01	01/31/2025	0.5	<0.0250	1.19	64.0	1,450	599	1,510	2,110	4,590
PH01	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	270
PH01	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	315
PH01	01/31/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.5
PH02	01/31/2025	0.5	<0.0250	<0.0500	<20.0	49.7	<50.0	49.7	49.7	308
PH02	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH02	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH03	01/31/2025	0.5	<0.0250	<0.0500	<20.0	36.2	<50.0	36.2	36.2	121
PH03	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH03	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH04	01/31/2025	0.5	<0.0250	<0.0500	<20.0	151	106	151	257	564
PH04	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH04	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH05	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	87.9
PH05	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH05	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH06	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,730
PH06	01/31/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	351
PH06	01/31/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	743
PH06	02/26/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
PH07	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	230
PH07	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	167
PH08	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
PH08	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.0
PH09	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.0
PH09	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH10	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.6
PH10	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH11	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	227
PH11	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	172
PH12	01/31/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.7
PH12	02/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	149
PH13	02/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0



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)
NMOOD Table I Olasson	Cuitania fan Caile	love a start by a								
NMOCD Table I Closur Release (NMAC 19.15.2		s impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
PH13	02/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH13	02/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH14	02/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH14	02/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH14	02/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH15	02/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH15	02/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH15	02/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH16	02/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH16	02/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH16	02/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH17	02/18/2025	0.5	<0.0250	<0.0500	<20.0	30.3	<50.0	30.3	30.3	29.2
PH17	02/18/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH17	02/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18	02/26/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18	02/26/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH18	02/26/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
				Confirmation S	oil Samples - Incident	Number nAPP2501341	167			
FS01	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	111	71.7	111	183	202
FS02	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	49.7	<50.0	49.7	49.7	68.1
FS03	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.7
FS04	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	87.5	62.0	87.5	150	105
FS05	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	127	108	127	235	197
FS06	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	86.6	62.3	86.6	149	214
FS07	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	64.8	57.0	64.8	122	81.0
FS08	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	127	92.7	127	220	227
FS09	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	70.4	98.6	70.4	169	113
FS10	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	63.8	51.8	63.8	116	85.1
FS11	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	298	238	298	536	580
FS12	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	321	264	321	585	494
FS13	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	102	82.4	102	184	150
FS14	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	83.6	69.6	83.6	153	105
FS15	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	272	235	272	507	388
FS16	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	285	221	285	506	394



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 Closur Release (NMAC 19.15.		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
FS17	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	82.3	69.7	82.3	152	71.7
FS18	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	66.5	53.8	66.5	120	87.1
FS19	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	152	126	152	278	120
FS20	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	345	259	345	604	405
FS21	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	76.2	52.1	76.2	128	122
FS22	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	96.4	73.2	96.4	170	88.3
FS23	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	175	123	175	298	329
FS24	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	30.5	<50.0	30.5	30.5	167
FS25	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	233	164	233	397	926
FS26	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	156	166	156	322	723
FS27	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,090	741	1,090	1,830	2,040
FS28	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,140	814	1,140	1,950	2,120
FS29	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,030	807	1,030	1,840	2,060
FS30	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,200	970	1,200	2,170	2,170
FS31	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,400	1,040	1,400	2,440	2,240
FS32	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,330	920	1,330	2,250	2,670
FS33	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,850	1,530	1,850	3,380	3,020
FS34	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	4,000	3,670	4,000	7,670	3,520
FS35	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,070	1,620	2,070	3,690	1,630
FS36	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	495	333	495	828	451
FS37	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	970	695	970	1,670	873
FS38	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,670	2,200	2,670	4,870	2,030
FS39	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	657	539	657	1,200	468
FS40	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	806	577	806	1,380	847
FS41	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	712	492	712	1,200	4,180
FS42	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	241	311	241	552	7,210
FS43	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	118	103	118	221	4,470
FS44	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	288	240	288	528	7,370
FS45	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,550	1,030	1,550	2,580	2,830
FS46	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,630	1,120	1,630	2,750	1,940
FS47	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,300	775	1,300	2,080	2,370
FS48	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,720	1,080	1,720	2,800	2,680
FS49	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	641	591	641	1,230	1,940
FS50	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,230	940	1,230	2,170	2,020



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)
MOCD Table I Closu elease (NMAC 19.15.		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
FS51	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	608	430	608	1,040	2,890
FS52	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	638	484	638	1,120	3,350
FS53	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	620	437	620	1,060	2,880
FS54	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	4,410	3,650	4,410	8,060	3,860
FS55	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	566	402	566	968	2,940
FS56	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,370	1,080	1,370	2,450	2,430
FS57	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,900	1,680	1,900	3,580	2,860
FS58	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	706	733	706	1,490	2,010
FS59	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	700	783	700	1,480	1,880
FS60	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	5,610	3,890	5,610	9,500	3,600
FS61	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,170	1,710	2,170	3,880	3,100
FS62	04/03/2025	0-0.25	<0.0250	<0.0634	<20.0	1,880	1,510	1,880	3,390	2,470
FS63	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,960	1,550	1,960	3,510	2,960
FS64	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	4,720	3,450	4,720	8,170	3,120
FS65	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	644	357	644	1,000	582
FS66	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,110	1,490	2,110	3,600	2,260
FS67	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,540	1,690	2,540	4,230	2,090
FS68	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,020	1,610	2,020	3,630	2,160
FS69	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	2,290	1,810	2,290	4,100	2,370
FS70	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,020	783	1,020	1,800	2,130
FS71	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	898	687	898	1,590	2,130
FS72	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	683	639	683	1,320	1,880
FS73	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	469	448	469	917	1,610
FS74	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	1,760	1,200	1,760	2,960	2,580
FS75	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.9
FS76	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	4,720	2,850	4,720	7,570	4,660
FS77	04/03/2025	0-0.25	<0.0250	<0.0500	<40.0	15,700	6,280	15,700	22,000	24,600
FS78	04/03/2025	0-0.25	<0.0250	0.535	<20.0	9,530	6,790	9,530	16,300	65,600
FS79	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	445	332	445	777	5,990
FS80	04/03/2025	0-0.25	<0.0250	4.10	42.4	18,800	6,690	18,800	25,500	9,780



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 Closur Release (NMAC 19.15.2		s Impacted by a	10	50	NE	NE	NE	1,000	2,500	10,000
SW01	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	86.7	52.5	86.7	139	141
SW02	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	76.2	50.0	76.2	126	90.4
SW03	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	57.1	<50.0	57.1	57.1	81.7
SW04	04/03/2025	0-0.25	<0.0250	<0.0500	<20.0	112	66.1	112	178	153

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NE: Closure Criteria Not Established

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 for Soils Impacted by a Release

<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.

Page 5 of 5

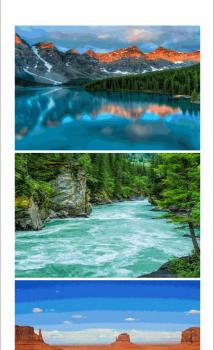
## **APPENDIX F**

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Anna Byers





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: Boundary Raider 5 Federal #231H

Work Order: E502011

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/11/25

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

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

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

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

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

Date Reported: 2/11/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502011

Date Received: 2/4/2025 6:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 0.5'	5
PH01 2'	6
PH02 0.5'	7
PH02 2'	8
PH03 0.5'	9
PH03 2'	10
PH04 0.5'	11
PH04 2'	12
PH05 0.5'	13
PH05 2'	14
PH06 0.5'	15
PH06 2'	16
QC Summary Data	17
QC - Volatile Organic Compounds by EPA8260B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/11/25 07:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E502011-01A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH01 2'	E502011-02A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH02 0.5'	E502011-03A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH02 2'	E502011-04A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH03 0.5'	E502011-05A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH03 2'	E502011-06A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH04 0.5'	E502011-07A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH04 2'	E502011-08A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH05 0.5'	E502011-09A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH05 2'	E502011-10A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH06 0.5'	E502011-11A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH06 2'	E502011-12A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH06 0.5'	E502011-13A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH06 2'	E502011-14A	Soil	01/31/25	02/04/25	Glass Jar, 2 oz.

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

#### PH01 0.5' E502011-01

	E302011-01					
D 1	Reporting	D.11	1	D 1		N
Result	Limit	Dı	lution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
ND	0.0250		1	02/04/25	02/06/25	
0.165	0.0250		1	02/04/25	02/06/25	
0.0355	0.0250		1	02/04/25	02/06/25	
0.352	0.0250		1	02/04/25	02/06/25	
0.637	0.0500		1	02/04/25	02/06/25	
0.989	0.0250		1	02/04/25	02/06/25	
	104 %	70-130		02/04/25	02/06/25	
	102 %	70-130		02/04/25	02/06/25	
	111 %	70-130		02/04/25	02/06/25	
mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
64.0	20.0		1	02/04/25	02/06/25	
	104 %	70-130		02/04/25	02/06/25	
	102 %	70-130		02/04/25	02/06/25	
	111 %	70-130		02/04/25	02/06/25	
mg/kg	mg/kg		Analyst:	NV		Batch: 2506037
1450	25.0		1	02/04/25	02/05/25	
599	50.0		1	02/04/25	02/05/25	
	110 %	61-141		02/04/25	02/05/25	
	110 /0					
mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
	ND 0.165 0.0355 0.352 0.637 0.989  mg/kg 64.0	Result         Limit           mg/kg         mg/kg           ND         0.0250           0.165         0.0250           0.0355         0.0250           0.352         0.0250           0.637         0.0500           0.989         0.0250           104 %         102 %           111 %         mg/kg           mg/kg         mg/kg           102 %         111 %           mg/kg         mg/kg           111 %         mg/kg           599         50.0	Reporting           Limit         Di           mg/kg         mg/kg           ND         0.0250           0.165         0.0250           0.0355         0.0250           0.352         0.0250           0.637         0.0500           0.989         0.0250           102 %         70-130           111 %         70-130           mg/kg         mg/kg           64.0         20.0           102 %         70-130           111 %         70-130           mg/kg         mg/kg           ng/kg         mg/kg           1450         25.0           599         50.0	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           0.165         0.0250         1           0.0355         0.0250         1           0.352         0.0250         1           0.637         0.0500         1           0.989         0.0250         1           102%         70-130           111%         70-130           mg/kg         mg/kg         Analyst:           64.0         20.0         1           104%         70-130         1           102%         70-130         1           mg/kg         mg/kg         Analyst:           mg/kg         mg/kg         Analyst:           1450         25.0         1           599         50.0         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/04/25           0.165         0.0250         1         02/04/25           0.0355         0.0250         1         02/04/25           0.352         0.0250         1         02/04/25           0.637         0.0500         1         02/04/25           0.989         0.0250         1         02/04/25           102 %         70-130         02/04/25           102 %         70-130         02/04/25           111 %         70-130         02/04/25           102 %         70-130         02/04/25           102 %         70-130         02/04/25           102 %         70-130         02/04/25           111 %         70-130         02/04/25           111 %         70-130         02/04/25           111 %         70-130         02/04/25           111 %         70-130         02/04/25           111 %         70-130         02/04/25           111 %         70-130         02/04/25 <t< td=""><td>Reporting         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         Analyst: SL           ND         0.0250         1         02/04/25         02/06/25           0.165         0.0250         1         02/04/25         02/06/25           0.0355         0.0250         1         02/04/25         02/06/25           0.352         0.0250         1         02/04/25         02/06/25           0.637         0.0500         1         02/04/25         02/06/25           0.989         0.0250         1         02/04/25         02/06/25           104 %         70-130         02/04/25         02/06/25           102 %         70-130         02/04/25         02/06/25           mg/kg         mg/kg         Analyst: SL           64.0         20.0         1         02/04/25         02/06/25           104 %         70-130         02/04/25         02/06/25           11 %         70-130         02/04/25         02/06/25           111 %         70-130         02/04/25         02/06/25           11 %         70-130         <t< td=""></t<></td></t<>	Reporting         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         Analyst: SL           ND         0.0250         1         02/04/25         02/06/25           0.165         0.0250         1         02/04/25         02/06/25           0.0355         0.0250         1         02/04/25         02/06/25           0.352         0.0250         1         02/04/25         02/06/25           0.637         0.0500         1         02/04/25         02/06/25           0.989         0.0250         1         02/04/25         02/06/25           104 %         70-130         02/04/25         02/06/25           102 %         70-130         02/04/25         02/06/25           mg/kg         mg/kg         Analyst: SL           64.0         20.0         1         02/04/25         02/06/25           104 %         70-130         02/04/25         02/06/25           11 %         70-130         02/04/25         02/06/25           111 %         70-130         02/04/25         02/06/25           11 %         70-130 <t< td=""></t<>



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

#### PH01 2'

		E502011-02					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Benzene	ND	0.0250		1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250		1	02/04/25	02/06/25	
Toluene	ND	0.0250		1	02/04/25	02/06/25	
o-Xylene	ND	0.0250		1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500		1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		98.7 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		98.7 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	•	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
Chloride	270	20.0		1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

#### PH02 0.5' E502011-03

	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	: SL		Batch: 2506035
ND	0.0250		1	02/04/25	02/06/25	
ND	0.0250		1	02/04/25	02/06/25	
ND	0.0250		1	02/04/25	02/06/25	
ND	0.0250		1	02/04/25	02/06/25	
ND	0.0500		1	02/04/25	02/06/25	
ND	0.0250		1	02/04/25	02/06/25	
	100 %	70-130		02/04/25	02/06/25	
	102 %	70-130		02/04/25	02/06/25	
	105 %	70-130		02/04/25	02/06/25	
mg/kg	mg/kg		Analyst:	: SL		Batch: 2506035
ND	20.0		1	02/04/25	02/06/25	
	100 %	70-130		02/04/25	02/06/25	
	102 %	70-130		02/04/25	02/06/25	
	105 %	70-130		02/04/25	02/06/25	
mg/kg	mg/kg		Analyst	: NV		Batch: 2506037
49.7	25.0		1	02/04/25	02/05/25	
ND	50.0		1	02/04/25	02/05/25	
	99.7 %	61-141		02/04/25	02/05/25	
mg/kg	mg/kg		Analyst:	: DT		Batch: 2506033
308	20.0		1	02/04/25	02/04/25	
	ND Mg/kg ND  mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IOO %         102 %           105 %         mg/kg           MD         20.0           100 %         102 %           105 %         105 %           mg/kg         mg/kg           49.7         25.0           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           100 %         70-130           102 %         70-130           105 %         70-130           mg/kg         mg/kg           ND         20.0           100 %         70-130           105 %         70-130           mg/kg         mg/kg           49.7         25.0           ND         50.0           99.7 %         61-141           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           100 %         70-130           102 %         70-130           105 %         70-130           mg/kg         mg/kg         Analyst           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %         70-130           105 %	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0500         1         02/04/25           ND         0.0250         1         02/04/25           ND         70-130         02/04/25           102 %         70-130         02/04/25           102 %         70-130         02/04/25           105 %         70-130         02/04/25           102 %         70-130         02/04/25           102 %         70-130         02/04/25           105 %         70-130         02/04/25           105 %         70-130         02/04/25           105 %         70-130         02/04/25           105 %         70-130         02/04/25           105 %         70-130         02/04/25           107 %         70-130         02/04/25           107 %         70-130         02/04/25	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         02/04/25         02/06/25           ND         0.0250         1         02/04/25         02/06/25           ND         0.0250         1         02/04/25         02/06/25           ND         0.0250         1         02/04/25         02/06/25           ND         0.0500         1         02/04/25         02/06/25           ND         0.0500         1         02/04/25         02/06/25           ND         0.0250         1         02/04/25         02/06/25           ND         0.0250         1         02/04/25         02/06/25           100 %         70-130         02/04/25         02/06/25           105 %         70-130         02/04/25         02/06/25           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02/04/25         02/06/25           105 %         70-130         02/04/25         02/06/25           105 %         70-130         02/04/25         02/06/25           mg/kg         mg/kg         Analyst: NV           49.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

#### PH02 2'

		E502011-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	SL		Batch: 2506035
Benzene	ND	0.0250		1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250		1	02/04/25	02/06/25	
Toluene	ND	0.0250		1	02/04/25	02/06/25	
o-Xylene	ND	0.0250		1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500		1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		98.0 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		102 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		98.0 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		102 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0		1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		102 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	DT		Batch: 2506033
Chloride	ND	20.0		1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

#### PH03 0.5' E502011-05

		E302011-03					
		Reporting					
Analyte	Result	Limit	Dilut	tion 1	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL			Batch: 2506035
Benzene	ND	0.0250	1	. (	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250	1	. (	02/04/25	02/06/25	
Toluene	ND	0.0250	1	. (	02/04/25	02/06/25	
o-Xylene	ND	0.0250	1	. (	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500	1	. (	02/04/25	02/06/25	
Total Xylenes	ND	0.0250	1	. (	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		101 %	70-130	(	02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	(	02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130	(	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	. (	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		101 %	70-130	(	02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	(	02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130	(	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: NV			Batch: 2506037
Diesel Range Organics (C10-C28)	36.2	25.0	1	. (	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	. (	02/04/25	02/05/25	
Surrogate: n-Nonane		109 %	61-141	(	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2506033
Chloride	121	20.0	1	. (	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/20257:52:29AM

#### PH03 2'

#### E502011-06

		E302011-00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Benzene	ND	0.0250		1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250		1	02/04/25	02/07/25	
Toluene	ND	0.0250		1	02/04/25	02/07/25	
o-Xylene	ND	0.0250		1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500		1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.1 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	_	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
Chloride	ND	20.0		1	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH04 0.5' E502011-07

		E302011-07					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2506035
Benzene	ND	0.0250	1	l	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	l	02/04/25	02/07/25	
Toluene	ND	0.0250	1	l	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	l	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	1	l	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	l	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.7 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.7 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: N	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	151	25.0	1	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	106	50.0	1	l	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	DT		Batch: 2506033
Chloride	564	20.0	1	[	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH04 2'

#### E502011-08

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: SL		Batch: 2506035
Benzene	ND	0.0250	1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.6 %	70-130	02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/04/25	02/07/25	
Surrogate: Toluene-d8		103 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		99.6 %	70-130	02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	02/04/25	02/07/25	
Surrogate: Toluene-d8		103 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		97.3 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2506033
inions by Elite outer > 0001						



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH05 0.5' E502011-09

		ECOZOTI O				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: SL	·	Batch: 2506035
Benzene	ND	0.0250	1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.9 %	70-130	02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.9 %	70-130	02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		85.0 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2506033
Chloride	87.9	20.0	1	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH05 2'

#### E502011-10

		2002011 10					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2506035
Benzene	ND	0.0250		1	02/04/25	02/07/25	Batem 20 00000
Ethylbenzene	ND	0.0250		1	02/04/25	02/07/25	
Toluene	ND	0.0250		1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	į	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.4 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0		1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		100 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
Chloride	ND	20.0		1	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH06 0.5' E502011-11

	E302011-11					
	Reporting					
Result	Limit	Dilut	tion Pro	epared	Analyzed	Notes
mg/kg	mg/kg	Α	Analyst: SL			Batch: 2506035
ND	0.0250	1	02.	/04/25	02/07/25	
ND	0.0250	1	02	/04/25	02/07/25	
ND	0.0250	1	02	/04/25	02/07/25	
ND	0.0250	1	02	/04/25	02/07/25	
ND	0.0500	1	02	/04/25	02/07/25	
ND	0.0250	1	02	/04/25	02/07/25	
	101 %	70-130	02.	/04/25	02/07/25	
	98.4 %	70-130	02.	/04/25	02/07/25	
	103 %	70-130	02.	/04/25	02/07/25	
mg/kg	mg/kg	A	Analyst: SL			Batch: 2506035
ND	20.0	1	02	/04/25	02/07/25	
	101 %	70-130	02.	/04/25	02/07/25	
	98.4 %	70-130	02.	/04/25	02/07/25	
	103 %	70-130	02.	/04/25	02/07/25	
mg/kg	mg/kg	A	Analyst: NV			Batch: 2506037
ND	25.0	1	02.	/04/25	02/05/25	_
ND	50.0	1	02.	/04/25	02/05/25	
	103 %	61-141	02.	/04/25	02/05/25	
mg/kg	mg/kg	A	Analyst: DT			Batch: 2506033
2730	40.0	2				
	ND Mg/kg ND Mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           I01 %         98.4 %           103 %         mg/kg           ND         20.0           I01 %         98.4 %           103 %         mg/kg           ND         25.0           ND         50.0           I03 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilut           mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           101 %         70-130         70-130           98.4 %         70-130         70-130           mg/kg         mg/kg         A           ND         20.0         1           103 %         70-130         70-130           mg/kg         mg/kg         A           ND         25.0         1           ND         50.0         1           103 %         61-141         61-141           mg/kg         mg/kg         Mg/kg	Reporting           Result         Limit         Dilution         Proportion           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         02           ND         0.0250         1         02           ND         0.0250         1         02           ND         0.0500         1         02           ND         0.0250         1         02           ND         70-130         02           98.4 %         70-130         02           98.4 %         70-130         02           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         02           98.4 %         70-130         02           98.4 %         70-130         02           103 %         70-130         02           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02           ND         50.0         1         02           mg/kg         Mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: SL           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0500         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           98.4 %         70-130         02/04/25           98.4 %         70-130         02/04/25           103 %         70-130         02/04/25           98.4 %         70-130         02/04/25           98.4 %         70-130         02/04/25           103 %         70-130         02/04/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/04/25           ND         50.0         1         02/04/25           ND         50.0         1         02/04/25           ND         50.0         1	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         Malyst: SL           ND         0.0250         1         02/04/25         02/07/25           ND         0.0250         1         02/04/25         02/07/25           ND         0.0250         1         02/04/25         02/07/25           ND         0.0500         1         02/04/25         02/07/25           ND         0.0500         1         02/04/25         02/07/25           ND         0.0250         1         02/04/25         02/07/25           ND         0.0250         1         02/04/25         02/07/25           ND         0.0250         1         02/04/25         02/07/25           98.4 %         70-130         02/04/25         02/07/25           98.4 %         70-130         02/04/25         02/07/25           103 %         70-130         02/04/25         02/07/25           98.4 %         70-130         02/04/25         02/07/25           103 %         70-130         02/04/25         02/07/25           103 %         70-130         02/04/25



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/11/2025 7:52:29AM

#### PH06 2'

#### E502011-12

		L302011-12					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:	•		Batch: 2506035
Volatile Organic Compounds by EPA 8260B  Benzene	ND	0.0250		1	02/04/25	02/07/25	Batch: 2300033
Ethylbenzene	ND	0.0250		1	02/04/25	02/07/25	
Toluene	ND	0.0250		1	02/04/25	02/07/25	
o-Xylene	ND	0.0250		1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500		1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.6 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/07/25	
Surrogate: Bromofluorobenzene		98.6 %	70-130		02/04/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/04/25	02/07/25	
Surrogate: Toluene-d8		104 %	70-130		02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0		1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		101 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
Chloride	351	20.0		1	02/04/25	02/04/25	



### **QC Summary Data**

Boundary Raider 5 Federal #231H Devon Energy - Carlsbad Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/11/2025 7:52:29AM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2506035-BLK1) Prepared: 02/04/25 Analyzed: 02/06/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.484 0.500 96.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.511 0.500 102 70-130 0.500 105 70-130 Surrogate: Toluene-d8 0.523 LCS (2506035-BS1) Prepared: 02/04/25 Analyzed: 02/06/25 2.19 0.0250 2.50 87.4 70-130 Benzene 2.29 2.50 70-130 91.7 Ethylbenzene 0.0250 2.38 0.0250 2.50 95.1 70-130 70-130 2.20 0.0250 2.50 88.2 o-Xylene 4.63 5.00 92.6 70-130 p,m-Xylene 0.0500 6.84 0.0250 7.50 91.1 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.490 0.500 98.0 70-130 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.508 70-130 Surrogate: Toluene-d8 0.500 0.524 Matrix Spike (2506035-MS1) Source: E502009-03 Prepared: 02/04/25 Analyzed: 02/06/25 2.28 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.36 0.0250 2.50 ND 94.6 98.1 48-130 Toluene 2.45 0.0250 2.50 ND 2.36 0.0250 2.50 ND 94.4 43-135 o-Xylene 4.94 ND 98.9 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.30 0.0250 7.50 ND 97.4 43-135 100 0.500 0.500 70-130 Surrogate: Bromofluorobenzene 0.522 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.514 Surrogate: Toluene-d8 Matrix Spike Dup (2506035-MSD1) Source: E502009-03 Prepared: 02/04/25 Analyzed: 02/06/25 2.29 0.0250 2.50 ND 91.5 48-131 0.504 23 2.36 0.0250 2.50 ND 94.5 45-135 0.0846 27 Ethylbenzene ND 98.3 48-130 0.183 24 2.46 2.50 Toluene 0.0250 o-Xylene 2.31 0.0250 2.50 ND 92.6 43-135 1.99 27 5.00 ND 43-135 2.29 27 4.83 96.6 p,m-Xylene 0.0500 27 7.15 0.0250 7.50 ND 95.3 43-135 2.19 Total Xylenes Surrogate: Bromofluorobenzene 0.496 0.500 99.2 70-130 0.500 107 70-130 Surrogate: 1,2-Dichloroethane-d4 0.534



0.500

104

70-130

0.521

Surrogate: Toluene-d8

## **QC Summary Data**

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231HReported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Anna Byers2/11/20257:52:29AM

Artesia NM, 88210		Project Manager	r: Ar	nna Byers				2/1	1/2025 7:52:29AM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506035-BLK1)							Prepared: 0	2/04/25 Anal	yzed: 02/06/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
LCS (2506035-BS2)							Prepared: 0	2/04/25 Anal	yzed: 02/06/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
Matrix Spike (2506035-MS2)				Source:	E502009-	03	Prepared: 0	2/04/25 Anal	yzed: 02/06/25
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			

Surrogate: Toluene-d8	0.532		0.500		106		70-130				
Matrix Spike Dup (2506035-MSD2)				Sour	rce: E5020	09-03		Prepared: 02	2/04/25	Analyzed: 02/06/25	
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101		70-130	3.10	20		
Surrogate: Bromofluorobenzene	0.513		0.500		103		70-130				
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101		70-130				
Surrogate: Toluene-d8	0.521		0.500		104		70-130				

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/11/2025 7:52:29AM

Artesia NM, 88210		Project Manage	r: Aı	nna Byers				2/	11/2025 7:52:29AN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506037-BLK1)							Prepared: 0	2/04/25 Ana	lyzed: 02/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	61-141			
LCS (2506037-BS1)							Prepared: 0	2/04/25 Ana	lyzed: 02/05/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.7	66-144			
Surrogate: n-Nonane	48.9		50.0		97.8	61-141			
Matrix Spike (2506037-MS1)				Source:	E502011-1	12	Prepared: 0	2/04/25 Ana	lyzed: 02/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	50.2		50.0		100	61-141			
Matrix Spike Dup (2506037-MSD1)				Source:	E502011-1	12	Prepared: 0	2/04/25 Ana	lyzed: 02/05/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	2.76	20	
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Chloride

## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager	0	oundary Raide 1058-0007 nna Byers	er 5 Federa	l #231H			<b>Reported:</b> 2/11/2025 7:52:29AM
		Anions	by EPA 3	300.0/9056 <i>E</i>	4				Analyst: DT
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2506033-BLK1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	ND	20.0							
LCS (2506033-BS1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2506033-MS1)				Source:	E502009-	04	Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	261	20.0	250	ND	104	80-120			
Matrix Snike Dun (2506033-MSD1)				Source	E502009-	04	Prepared: 0	2/04/25 A	nalyzed: 02/04/25

250

20.0

80-120

0.0487

104

#### 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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/11/25 07:52

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

Client: D	evon Ene	Bill To		Lab Use Only					TAT EPA Program										
	Boundary				THE RE	Attention: Jim Raley		Lah	wo		_		Number	1D	2D	3D	Standard	CWA	SDWA
	Manager:		Company of the Compan		E S	Address: 5315 Buena Vista Dr.	STATE OF						STATE OF THE PARTY OF THE PARTY.	-		00	5 day TAT	CWA	JUVA
Etech Pr	oject #: 2:	1689				City, State, Zip: Carlsbad, NM, 8822	0												
Address:	13000 W	County F	Rd 100			Phone: 575-885-7502				PO N	-	STATE OF THE PARTY OF	sis and Metho	4			FEMALES		RCRA
City, Sta	te, Zip_Oc	dessa,TX,	79765		TI BOO	Email: jim.raley@dvn.com			T	T		West of					100		III CITA
	132-305-6		N. LUIS		The same	WO: 21483855			315									State	
Email: D	evon-tear	n@etech	env.com	Will be the second	Table 1	Incident ID: nAPP2501341167			by 8015								NM CO		TX
Markey		UNITED IN			5 (6)		A PARKET	E Ann	RO					R	17				
									0/0	-			0	NN	1/4/3				
Collected	d by: Hale	igh Blum	е					3	ово/ово/ово	8021	8260	6010	300,0	1		¥	×		
Time	Date	Matrix	No. of	Sample ID			Lab	Depth(ft.)	GRO	BTEX by	VOC by	als 6	Chloride	BGDOC		20		D	
Sampled	Sampled		Containers	Sample 10			Numbe	er g	TPH	BTE	VOC	Metals	95	BGI		GDOC		Remarks	
12:05	01.31.25	S	1			PH01	1	0.5	,		V						0	- 1	0
12.05						11101	(	0.5						X			('auna	elec	IL I
12:10	01.31.25	5	1			PH01	1	2'											Market
						11102	2	-						Х			dup	ucost	e
12:30	01.31.25	5	1			PH02	3	0.5			1939			x					e Name
	Market St.					1,102	2	0.5			1913			^			SOM	ole v	rame
12:35	01.31.25	S	1			PH02	11	2'						x			0		01
	ALL STATES						9							^			tor	DUN	ples
12:50	01.31.25	5	1	PH03			5	0.5						х		MA			
		illa illa		11105			2	0.5						^			PHUD	05'	
12:55	01.31.25	S	1	PH03			1-	2'						x			DILA	- 01	
							0				-			^			PHUS	2	
13:15	01.31.25	S	1			PH04	7	0.5						x			1.0	21	
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13:20	01.31.25	S	1			PH04	0	2'	Euro					X			12/11	12-1	111
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13:40	01.31.25	S	1			PH05	9	0.5			1			x	100				
							1				1924			^					
13:45	01.31.25	S	1			PH05	10	2'	- 10					х					
A 1 11 v							10							**	4/6		N. 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Addition	al Instruc	tions:																	
1 Heald same	alor) attact to	a blanca tidiba																	(1)
						ware that tampering with or intentionally mislabe	elling the san	iple local	tion,								ceived on ice the day less than 6 °C on subs		aled or
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above sam	pies is appli	cable only t	to those sar	npies received	d by the la	aboratory with this COC. The liability of the l	aboratory i	s limite	d to the	he amo	ount p	aid fo	r on the report.						



envirotech Page 70 of 241

Project Information

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Page	1	of	,	
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Received by OCD: 4/15/2025 6:23:00 AM

Page 23 of 26

Client: Devon Energy Production Co, LP						Bill To				Lab U				se Only				TAT				EPA Program	
Project: Boundary Raider 5 Federal #231H											Lab WO#				Job Number				A REAL PROPERTY AND ADDRESS OF THE PARTY AND A			andard CWA	
The second second	Manager:	The supplied of the supplied o	rs				315 Buena Vis	sta Dr.		(F-1200)0000	DE C			0/058,0007						The second second	ay TAT		SDWA
	oject #: 2:						, Zip: Carlsbad		)	2	RE	JH		UIU	00								
Address: 13000 W County Rd 100						Phone: 575-885-7502								Analy	nd Metho	od				SERVICE OF THE PERSON		RCRA	
City, State, Zip_Odessa,TX, 79765						Email: jim.raley@dvn.com							919										
Phone: 432-305-6415						WO: 21483855					PH GRO/DRO/ORO by 8015		73	- 1	Name	W.				-		State	
Email: Devon-team@etechenv.com						Incident ID: nAPP2501341167								16.77					De la	ī	NMI CO	UT AZ	TX
					1			ALTERIAL DE			ORO	104	PAR I										
- 11										M.S.	3/02		-		0.0	1	NN						
	d by: Hale	igh Blume	e							3	JQ/C	8021	8260	9010	ide 300.				X		×		
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NOT WOULD DESCRIPTION	NOTICE SMITH STORY OF STREET	200 A Sec. 1997		naybe grounds			Sampled by:			-			1013	receive	d packe	ed in ice at a	n avg te	mp abov	e 0 but	less than	n 6 °C on subs	equent days.	
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jelingujshed by: (Signature) Date Time Received by: (Signature)							4 0	2-5-2	2	1140			Received on ice: (7) / N										
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				queous, O - Oth		_ Clu	me.		Container	Type	g - g	lass, I	p - pc	oly/pla	stic.	ag - amb	er gla	SS, V -	VOA	1 701	ed ella		
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bove sam	ples is appli	cable only t	to those sar	mples received	d by the l	aboratory wit	th this COC. The li	iability of the l	aboratory is I	imiter	d to th	e amo	ount r	paid for	r on t	he report					FREUS		and a second



envirotech

Client: Devon Energy Production Co, LP					Bill To					La	b Us	se Only				TAT				EPA Pr	ogram
Project: Boundary Raider 5 Federal #231H					Attention: Jim Raley			Lab '	WO#			Job Number				2D	3D	Sta	andard	CWA	SDWA
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.			E	5721	211		01058-0007						5 0	lay TAT		
Etech Project #: 21689					City, State, Zip: Carlsbad, NM, 88220			1	020	011		VIV	> 0.	w	4						
Address: 13000 W County Rd 100					Phone: 575-885-7502							Analys	sis an	d Meth	od	*******					RCRA
City, State, Zip_Odessa,TX, 79765					Email: jim.raley@dvn.com														THE LEE		
Phone: 432-305-6415					WO: 21483855				1015											State	
Email: Devon-team@etechenv.com					Incident ID: nAPP2501341167				by 8										NM CO	UT AZ	TX
									ORO									'			1 10
Collected by: Haleigh Blume								(:)	TPH GRO/DRO/ORO by 8015	8021	8260	0109	300.0		Z	1	¥		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	PH GRO	втех ьу	VOC by 8260	Metals 6010	Chloride 300.0		RGDOC		GDOC			Remarks	
12:05	01.31.25	S	1		1	0.5'		ш		E			Х								
12:10	01.31.25	S	1	PH01				2'							×						
12:30	01.31.25	S	1	PH02				0.5'							×	+					
12:35	01.31.25	S	1	PH02				2'							×	-					
12:50	01.31.25	S	1	PH03				0.5'					$\dashv$	+	x	+					
	Vernander-dominated			1990000000												-					
12:55	01.31.25	S	1	PH03				2'							×						
13:15	01.31.25	S	1		PH04		7	0.5'							Х						
13:20	01.31.25	S	1		PH04		8	2'							Х						
13:40	01.31.25	S	1		PH05		9	0.5'							Х						
13:45	01.31.25	S	1		PH05		10	2'							Х						
Addition	al Instruc	ions:						76													
					am aware that tampering with o		ling the sampl	e locati	ion,										on ice the day an 6 °C on sub		oled or
date or time of collection is considered fraud and may be grounds for legal action.  Relinquished by: (Signature)  Date  Date  The first transfer of collection is considered fraud and may be grounds for legal action.  Sampled by: HB  Date  Date								5 ll40				Lab Use Only Received on ice: (Y)/ N									
Date Time Received by: (Signature) Date 23-25 S45 Subarg powers 2-22								5	Time	45		T1 T2 T3									
Relinquished by: (Signature) Date Time Received by: (Signature) Date								25	Time		)										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Contained									-						hor c	200 11	VOA				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples v									Type: <b>g</b> - glass, <b>p</b> - poly/plastic, <b>ag</b> - amber glass, <b>v</b> - VOA  ill be returned to client or disposed of at the client expense. The report for the analysis of the												
			70	1.5	he laboratory with this COC.		- 10									cape	13C1	i.e i ep	or the the	Gridiyala Ol	





Client: Devon Energy Production Co, LP		Bill To		Lab U			b Us	Use Only			TAT			EPA Program							
	Boundary		A Description of the Property	231H	Attention: Jim Raley		Lab	WO#			Job N	Num	ber	1D	2D	3D St		andard	CWA		DWA
	Manager: /		rs		Address: 5315 Buena Vist	a Dr.	E	020	111		01058,0007					5 day TAT					
	oject #: 21		1		City, State, Zip: Carlsbad,	City, State, Zip: Carlsbad, NM, 88220		rec	111		uiw o										
Address	13000 W	County F	Rd 100		Phone: 575-885-7502	Phone: 575-885-7502					Analy	sis ar	nd Metho	d	-					F	RCRA
City, Sta	te, Zip_Od	essa,TX,	79765		Email: jim.raley@dvn.con	n					ĺΤ			T	1	T				-	
Phone: 4	32-305-6	15			WO: 21483855		1	115											State		
Email: D	evon-tean	@eteche	env.com		Incident ID: nAPP2501341167		1	GRO/DRO/ORO by 8015							1			NM CO			x T
					Welderic ID. IIVI 1 230134	1107	1	ROF	1									14141 00	0, 7	- "	+
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Collecte	d by: Hale	gh Blume	2				_	/DR	8021	260	010	300.		S		×					1 1
Time	Date	10.0	No. of		2000000	Lab	Depth(ft.	380	by 8	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		U		×			
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Sept	TPH	втех by	700	Jeta	hlor		360		GDOC			Remar	<s< td=""><td></td></s<>	
14.00	01 21 25				T1.22	111					-	Ŭ				1	_				
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Addition	al Instruc	tions:				Company	-														
					I am aware that tampering with or intent	ionally mislabelling the samp	ole locat	ion,										f on ice the da			or
date or time	of collection	is considere	d fraud and	maybe grounds for I	egal action. Sampled by:	нв					receive	d pack	ed in ice at a	n avg te	emp abo	ve 0 but	t less th	an 6 °C on sub	sequent da	ys.	
Relinquish	ed by: (Sign	VI A AA	Date	Time	Michele G	Date	5	Time	un						2000000	se Or	nly				
Relinquish	ed by: (Sign	CONNE	Date	JUL GULDAN	Received by: (Signature)	maries 9-25	2	Time	40		Rece	ived	on ice:	0	D/N						
Mich	elle G	onzal	es 2.	3.25 15	145 Dichard	2-3-3	25		40	-	T1			T2				T3			
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1/214	narg	Jon	afg ?	3-25 72	6 1 The 19	an 29.	47	0	0		AVG			7							
				Aqueous, O - Other _	and C	Containe	r Type	: <b>g</b> - g	lass,	<b>p</b> - po	oly/pla	astic,	ag - amb	er gla	ass, v	- VOA					
					d unless other arrangements are made										exper	ise. T	he re	oort for the	analysis	of the	4





Page 74 of 241

Printed: 2/4/2025 10:03:21AM

#### **Envirotech Analytical Laboratory**

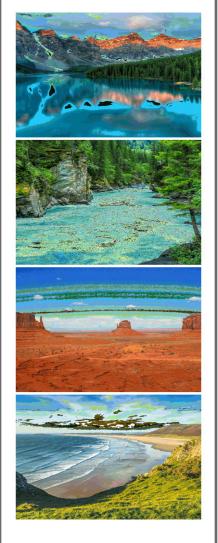
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

				1	• •	
Client:	Devon Energy - Carlsbad	Date Received:	02/04/25 06:	:30	Work Order ID:	E502011
Phone:	(575) 748-0176	Date Logged In:	02/03/25 15:	:54	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	02/10/25 17:	:00 (4 day TAT)		
	Custody (COC)					
	e sample ID match the COC?	sh the COC	No			
	e number of samples per sampling site location mate imples dropped off by client or carrier?	in the COC	No			
	1 11 2		Yes Yes	Carrier: <u>C</u>	<u>Courier</u>	
	e COC complete, i.e., signatures, dates/times, request I samples received within holding time?	ted analyses?	Yes			
J. Wele al	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		ies	,	<u>Comme</u>	nts/Resolution
Sample T	urn Around Time (TAT)				C	1
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Cancelled duplicate sa	-
Sample C					samples PH05 0.5 & F	PH05 2 on COC per
	ample cooler received?		Yes		client.	
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e 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			
	e sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes			
		temperature. 4 v	<u>~</u>			
Sample C	ueous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain-		Yes			
Field Lab	· · ·	ers concercu:	103			
	field sample labels filled out with the minimum infor	mation:				
	imple ID?	indicon.	Yes			
D	ate/Time Collected?		Yes	ı		
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does t	the COC or field labels indicate the samples were pro-	eserved?	No			
	mple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved me	etals?	No			
Multipha	se Sample Matrix					
26. Does t	he sample have more than one phase, i.e., multiphas	e?	No			
27. If yes,	does the COC specify which phase(s) is to be analyst	zed?	NA			
Subcontr	act Laboratory					
	mples required to get sent to a subcontract laborator	v?	No			
	subcontract laboratory specified by the client and if			ubcontract Lab	o: NA	
Client In	struction					
CHERTI	struction					

Report to:
Anna Byers



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: Boundary Raider 5 Federal #231H

Work Order: E502009

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/10/25

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

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

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

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

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

Date Reported: 2/10/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502009

Date Received: 2/4/2025 6:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Lynn Jarboe

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Cell: 505-320-4759

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Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 4'	5
PH02 4'	6
PH03 4'	7
PH04 4'	8
PH05 4'	9
PH06 4'	10
QC Summary Data	11
QC - Volatile Organic Compounds by EPA 8260B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 16:41

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01 4'	E502009-01A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH02 4'	E502009-02A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH03 4'	E502009-03A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH04 4'	E502009-04A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH05 4'	E502009-05A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH06 4'	E502009-06A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 4:41:16PM

#### PH01 4' E502009-01

		E302007-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2506035
Benzene	ND	0.0250	1	1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250	1	1	02/04/25	02/06/25	
Toluene	ND	0.0250	1	1	02/04/25	02/06/25	
o-Xylene	ND	0.0250	1	1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500	1	1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250	1	l	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		91.6 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		100 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		91.6 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		100 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/04/25	02/05/25	
Surrogate: n-Nonane		93.6 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
	315	20.0		1	02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/10/2025 4:41:16PM

#### PH02 4' E502009-02

		E302009-02					
Anglista	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilui	поп	rrepared	Ananyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2506035
Benzene	ND	0.0250	1		02/04/25	02/06/25	
Ethylbenzene	ND	0.0250	1		02/04/25	02/06/25	
Toluene	ND	0.0250	1		02/04/25	02/06/25	
o-Xylene	ND	0.0250	1		02/04/25	02/06/25	
p,m-Xylene	ND	0.0500	1		02/04/25	02/06/25	
Total Xylenes	ND	0.0250	1		02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		90.9 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		99.0 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	7		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		90.9 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		99.0 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: N	V		Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0	1		02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1		02/04/25	02/05/25	
Surrogate: n-Nonane		98.9 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D	Т		Batch: 2506033
Chloride	ND	20.0	1		02/04/25	02/04/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/10/2025 4:41:16PM

#### PH03 4' E502009-03

		2002007 00				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2506035
Benzene	ND	0.0250	1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/06/25	
Toluene	ND	0.0250	1	02/04/25	02/06/25	
o-Xylene	ND	0.0250	1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		94.6 %	70-130	02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	02/04/25	02/06/25	
Surrogate: Toluene-d8		99.6 %	70-130	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		94.6 %	70-130	02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	02/04/25	02/06/25	
Surrogate: Toluene-d8		99.6 %	70-130	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		88.9 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2506033
Chloride	ND	20.0	1	02/04/25	02/04/25	•



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/10/2025 4:41:16PM

#### PH04 4' E502009-04

		E302007-04				
Analyte	Result	Reporting Limit	Diluti	ion Prepa	red Analyzed	Notes
Analyte	Resuit	Liinit	וווונו	ion rrepa	icu AliaiyZed	inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2506035
Benzene	ND	0.0250	1	02/04/	/25 02/06/25	
Ethylbenzene	ND	0.0250	1	02/04	/25 02/06/25	
Toluene	ND	0.0250	1	02/04	/25 02/06/25	
o-Xylene	ND	0.0250	1	02/04	/25 02/06/25	
p,m-Xylene	ND	0.0500	1	02/04	/25 02/06/25	
Total Xylenes	ND	0.0250	1	02/04	/25 02/06/25	
Surrogate: Bromofluorobenzene		93.3 %	70-130	02/04/	/25 02/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/04/	/25 02/06/25	
Surrogate: Toluene-d8		99.9 %	70-130	02/04/	/25 02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04	/25 02/06/25	
Surrogate: Bromofluorobenzene		93.3 %	70-130	02/04/	/25 02/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	02/04/	/25 02/06/25	
Surrogate: Toluene-d8		99.9 %	70-130	02/04/	/25 02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: NV		Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/	/25 02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04	/25 02/05/25	
Surrogate: n-Nonane		91.6 %	61-141	02/04/	/25 02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: DT		Batch: 2506033
Chloride	ND	20.0	1	02/04/	/25 02/04/25	



Devon Energy - Carlsbad Project Name: Boundary Raider 5 Federal #231H 01058-0007 6488 7 Rivers Hwy Project Number: Reported: Artesia NM, 88210 2/10/2025 4:41:16PM Project Manager: Anna Byers

#### PH05 4' E502009-05

#### Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: SL Batch: 2506035 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 02/06/25 ND 0.0250 02/04/25 Benzene 02/04/25 02/06/25 Ethylbenzene ND 0.0250 1 ND 0.0250 02/04/25 02/06/25 Toluene 1 02/04/25 02/06/25 o-Xylene ND 0.0250 02/04/25 02/06/25 ND 0.0500 1 p,m-Xylene 02/04/25 02/06/25 1 Total Xylenes ND 0.0250 02/06/25 101 % 02/04/25 Surrogate: Bromofluorobenzene 70-130 Surrogate: 1,2-Dichloroethane-d4 101 % 70-130 02/04/25 02/06/25 Surrogate: Toluene-d8 102 % 70-130 02/04/25 02/06/25 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: SL Batch: 2506035 ND 1 02/04/25 02/06/25 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 101 % 02/04/25 02/06/25 70-130 101 % 02/06/25 Surrogate: 1,2-Dichloroethane-d4 70-130 02/04/25 Surrogate: Toluene-d8 02/04/25 02/06/25 102 % 70-130 mg/kg Analyst: NV Batch: 2506029 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 02/04/25 02/05/25 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 02/04/25 02/05/25 Oil Range Organics (C28-C36) 02/05/25 93.2 % 61-141 02/04/25 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: DT Batch: 2506033 1 02/04/25 02/04/25

20.0

ND



Chloride

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/10/2025 4:41:16PM

#### PH06 4' E502009-06

		1202007 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Benzene	ND	0.0250		1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250		1	02/04/25	02/06/25	
Toluene	ND	0.0250		1	02/04/25	02/06/25	
o-Xylene	ND	0.0250		1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500		1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		101 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2506035
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/04/25	02/06/25	
Surrogate: Bromofluorobenzene		101 %	70-130		02/04/25	02/06/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		02/04/25	02/06/25	
Surrogate: Toluene-d8		103 %	70-130		02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2506029
Diesel Range Organics (C10-C28)	ND	25.0		1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/04/25	02/05/25	
Surrogate: n-Nonane		93.4 %	61-141		02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2506033
Chloride	743	20.0		1	02/04/25	02/04/25	



### **QC Summary Data**

Devon Energy - Carlsbad Boundary Raider 5 Federal #231H Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/10/2025 4:41:16PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2506035-BLK1) Prepared: 02/04/25 Analyzed: 02/06/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.484 0.500 96.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.511 0.500 102 70-130 0.500 105 70-130 Surrogate: Toluene-d8 0.523 LCS (2506035-BS1) Prepared: 02/04/25 Analyzed: 02/06/25 2.19 0.0250 2.50 87.4 70-130 Benzene 2.29 2.50 70-130 91.7 Ethylbenzene 0.0250 2.38 0.0250 2.50 95.1 70-130 70-130 2.20 0.0250 2.50 88.2 o-Xylene 4.63 5.00 92.6 70-130 p,m-Xylene 0.0500 6.84 0.0250 7.50 91.1 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.490 0.500 98.0 70-130 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.508 70-130 Surrogate: Toluene-d8 0.500 0.524 Matrix Spike (2506035-MS1) Source: E502009-03 Prepared: 02/04/25 Analyzed: 02/06/25 2.28 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.36 0.0250 2.50 ND 94.6 98.1 48-130 Toluene 2.45 0.0250 2.50 ND 2.36 0.0250 2.50 ND 94.4 43-135 o-Xylene 4.94 ND 98.9 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.30 0.0250 7.50 ND 97.4 43-135 100 0.500 0.500 70-130 Surrogate: Bromofluorobenzene 0.522 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.514 Surrogate: Toluene-d8 Matrix Spike Dup (2506035-MSD1) Source: E502009-03 Prepared: 02/04/25 Analyzed: 02/06/25 2.29 0.0250 2.50 ND 91.5 48-131 0.504 23 2.36 0.0250 2.50 ND 94.5 45-135 0.0846 27 Ethylbenzene ND 98.3 48-130 0.183 24 2.46 2.50 Toluene 0.0250 o-Xylene 2.31 0.0250 2.50 ND 92.6 43-135 1.99 27 5.00 ND 43-135 2.29 27 4.83 96.6 p,m-Xylene 0.0500 27 7.15 0.0250 7.50 ND 95.3 43-135 2.19 Total Xylenes Surrogate: Bromofluorobenzene 0.496 0.500 99.2 70-130 0.500 107 70-130 Surrogate: 1,2-Dichloroethane-d4 0.534 Surrogate: Toluene-d8 0.521 0.500 104 70-130



Surrogate: Toluene-d8

Analyst: IY

## **QC Summary Data**

Devon Energy - Carlsbad Project Name: Boundary Raider 5 Federal #231H Reported:
6488 7 Rivers Hwy Project Number: 01058-0007
Artesia NM, 88210 Project Manager: Anna Byers 2/10/2025 4:41:16PM

Nonhalogenated Organics by EPA 8015D - GRO								

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506035-BLK1)							Prepared: 02	2/04/25 Analy	vzed: 02/06/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
LCS (2506035-BS2)							Prepared: 02	2/04/25 Analy	zed: 02/06/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
Matrix Spike (2506035-MS2)				Source:	E502009-	03	Prepared: 02	2/04/25 Analy	zed: 02/06/25
Gasoline Range Organics (C6-C10)	52.3	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Matrix Spike Dup (2506035-MSD2)				Source:	E502009-	03	Prepared: 02	2/04/25 Analy	zed: 02/06/25
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130	3.10	20	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			

0.500

0.521

104

70-130



## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 4:41:16PM

5 4:41:16PM	2/10/2025 4					na Byers	:: An	Project Manager		Artesia NM, 88210
/st: KH	Analyst: K			ORO	- DRO/0	EPA 8015D	ganics by I	ogenated Org	Nonhal	
		RPD Limit	RPD	Rec Limits	Rec	Source Result	Spike Level	Reporting Limit	Result	Analyte
Notes	No	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	
: 02/05/25	Analyzed: 02/	)2/04/25 A	Prepared: 0							Blank (2506029-BLK1)
								25.0	ND	Diesel Range Organics (C10-C28)
								50.0	ND	Oil Range Organics (C28-C36)
				61-141	96.5		50.0		48.3	Surrogate: n-Nonane
: 02/05/25	Analyzed: 02/	)2/04/25 A	Prepared: 0							LCS (2506029-BS1)
				66-144	97.5		250	25.0	244	Diesel Range Organics (C10-C28)
				61-141	97.0		50.0		48.5	Surrogate: n-Nonane
: 02/05/25	Analyzed: 02/	)2/04/25 A	Prepared: 0	3	E502006-03	Source:				Matrix Spike (2506029-MS1)
				56-156	98.2	ND	250	25.0	246	Diesel Range Organics (C10-C28)
				61-141	99.8		50.0		49.9	Surrogate: n-Nonane
: 02/05/25	Analyzed: 02/	)2/04/25 A	Prepared: 0	3	E502006-03	Source:				Matrix Spike Dup (2506029-MSD1)
		20	3.99	56-156	102	ND	250	25.0	256	Diesel Range Organics (C10-C28)
				61-141	99.5		50.0		49.8	Surrogate: n-Nonane
		)2/04/25 A	Prepared: 0	56-156 61-141 3 56-156	98.2 99.8 <b>E502006-03</b>	ND Source:	50.0		49.9 256	esel Range Organics (C10-C28)  rrogate: n-Nonane  atrix Spike Dup (2506029-MSD1)  esel Range Organics (C10-C28)



Matrix Spike Dup (2506033-MSD1)

Chloride

#### **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager	: 0	Boundary Raido 11058-0007 Anna Byers	er 5 Federa	al #231H		2	<b>Reported:</b> 2/10/2025 4:41:16PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2506033-BLK1)							Prepared: 0	2/04/25 An	nalyzed: 02/04/25
Chloride	ND	20.0							
LCS (2506033-BS1)							Prepared: 0	2/04/25 An	nalyzed: 02/04/25
Chloride	259	20.0	250		103	90-110			
Matrix Spike (2506033-MS1)				Source:	E502009-	04	Prepared: 0	2/04/25 An	nalyzed: 02/04/25
Chloride	261	20.0	250	ND	104	80-120			

250

20.0

Source: E502009-04

104

80-120

0.0487

#### QC Summary Report Comment:

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



Prepared: 02/04/25 Analyzed: 02/04/25

20

## **Definitions and Notes**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 16:41

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.



Page1 of1	Recei
	ed by
	OCD:
	4/15/202
	Received by OCD: 4/15/2025 6:23:00 AM
	AM

Client: D	evon Ener	gy Produ	ction Co,	LP	Bill To			100	La	b Us	se On	ly				TA	λT	EPA P	rogram
Project: Boundary Raider 5 Federal #231H			Attention: Jim Raley		Lab	WO#	<b>‡</b>		Job	Numb	oer	1D	2D	3D	Standard	CWA	SDWA		
	lanager: A		rs		Address: 5315 Buena Vista Dr.		Ec	507	200	7	MA	7,1	0007	P			5 day TAT		
	oject #: 21		77		City, State, Zip: Carlsbad, NM, 8822	0	-	00	~	•	-								100
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	e, Zip_Od		79765		Email: jim.raley@dvn.com			2			6								
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Sampled	Sampled	Matrix	No. of Containers	Sample ID		Number	Depth(ft.	TPH GRO/DRO/ORO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
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12:40	01.31.25	S	1		PH02	0	4'							,,					
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13:25	01.31.25	S	1		PH04	4	4'				1			х					
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	ed by: (Sign	4	Date		Received by: (Signature)	Date		Time		-	11		,	1					
Die	2030	1 must	ales >	3-25 22		2.4.2	5	(0:	30		AVG	Tem	n°C 4						
Sample Mat	riv: S - Soil Se	- Solid Ser	Sudge A-	Aqueous, O - Other _	- aurignam	Container	Type	0.0-0	plass	n - n/	100000000000000000000000000000000000000	A STATE OF THE PARTY OF THE PAR		er øla	SS V-	VOA			
					unless other arrangements are made. Hazardo	The Proposition Control of Contro							Non-Sept. High Charles of the	-	200	1411-0010-00-0	ne report for the	analysis of	the
					the laboratory with this COC. The liability of the													,5.5 01	





Printed: 2/4/2025 8:15:37AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

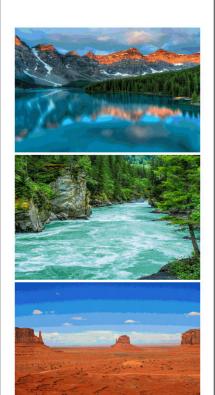
 $\underline{\textbf{If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.}$ 

Client:	Devon Energy - Carlsbad	Date Received:	02/04/25	06:30	v	Work Order ID:	E502009
Phone:	(575) 748-0176	Date Logged In:	02/03/25	15:38	1	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	02/10/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in	the field,	Yes				
Sample '	i.e, 15 minute hold time, are not included in this disucssio  Furn Around Time (TAT)	n.		Г		Comment	s/Resolution
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	· •						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	s, were custody/security seals intact?		No				
•	•		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample (	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are \	OC 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 r	on-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	Date/Time Collected?		Yes	_			
	Collectors name?		No				
	Preservation	10	NT.				
	the COC or field labels indicate the samples were pro-	eserved?	No				
	ample(s) correctly preserved?	-4-1-9	NA				
	filteration required and/or requested for dissolved m	etais?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborator	y?	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	NA		
Client I	<u>nstruction</u>						

Date

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

Report to:
Anna Byers





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: Boundary Raider 5 Federal #231H

Work Order: E502012

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/10/25

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

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

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

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

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

Date Reported: 2/10/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502012

Date Received: 2/4/2025 6:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH 01 6'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 11:39

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH 01 6'	E502012-01A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:39:18AM

#### PH 01 6' E502012-01

		E302012-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: BA		Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/05/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/05/25	
Toluene	ND	0.0250	1	02/04/25	02/05/25	
o-Xylene	ND	0.0250	1	02/04/25	02/05/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/05/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/05/25	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: BA		Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	02/04/25	02/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		107 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: DT		Batch: 2506034
Chloride	85.5	20.0	1	02/04/25	02/04/25	



## **OC Summary Data**

		QC SI	umm	iary Dat	a					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raid	er 5 Federa	al #231H			Reported:	
Artesia NM, 88210		Project Manager:		Anna Byers				2/10/2025 11:39:18AM		
		Volatile O	rganics	by EPA 802	21B			Analyst: BA		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	% %	Notes	
Blank (2506031-BLK1)							Prepared: 0	2/04/25 Ana	lyzed: 02/05/25	
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	7.37		8.00		92.1	70-130				
LCS (2506031-BS1)							Prepared: 0	2/04/25 Ana	lyzed: 02/07/25	
Benzene	5.20	0.0250	5.00		104	70-130				
Ethylbenzene	5.14	0.0250	5.00		103	70-130				
Toluene	5.21	0.0250	5.00		104	70-130				
o-Xylene	5.11	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	6.69		8.00		83.7	70-130				
Matrix Spike (2506031-MS1)				Source:	E502013-	03	Prepared: 0	2/04/25 Ana	lyzed: 02/07/25	
Benzene	5.31	0.0250	5.00	ND	106	54-133				
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133				
Toluene	5.31	0.0250	5.00	ND	106	61-130				
o-Xylene	5.20	0.0250	5.00	ND	104	63-131				
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131				
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131				
Surrogate: 4-Bromochlorobenzene-PID	6.61		8.00		82.6	70-130				
Matrix Spike Dup (2506031-MSD1)				Source:	E502013-	03	Prepared: 0	2/04/25 Ana	lyzed: 02/07/25	
Benzene	5.40	0.0250	5.00	ND	108	54-133	1.69	20		
Ethylbenzene	5.34	0.0250	5.00	ND	107	61-133	2.00	20		
Toluene	5.40	0.0250	5.00	ND	108	61-130	1.78	20		
o-Xylene	5.31	0.0250	5.00	ND	106	63-131	1.94	20		
p,m-Xylene	10.9	0.0500	10.0	ND	109	63-131	1.88	20		
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131	1.90	20		
C I I D II I DID			0.00		0.4.6	70 120				



Surrogate: 4-Bromochlorobenzene-PID

6.77

70-130

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:39:18AM

Artesia NM, 88210		Project Manage		nna Byers				2/1	0/2025 11:39:18Al
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2506031-BLK1)							Prepared: 02	2/04/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
LCS (2506031-BS2)							Prepared: 02	2/04/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.8	70-130			
Matrix Spike (2506031-MS2)				Source:	E502013-	03	Prepared: 02	2/04/25 Ana	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.5	70-130			
Matrix Spike Dup (2506031-MSD2)				Source:	E502013-	03	Prepared: 02	2/04/25 Anal	lyzed: 02/05/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:39:18AM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers				2	2/10/2025 11:39:18A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506037-BLK1)							Prepared: 0	2/04/25 Ar	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	61-141			
LCS (2506037-BS1)							Prepared: 0	2/04/25 Ar	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.7	66-144			
urrogate: n-Nonane	48.9		50.0		97.8	61-141			
Matrix Spike (2506037-MS1)				Source:	E502011-1	12	Prepared: 0	2/04/25 Ar	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
urrogate: n-Nonane	50.2		50.0		100	61-141			
Matrix Spike Dup (2506037-MSD1)				Source:	E502011-1	12	Prepared: 0	2/04/25 Ar	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	2.76	20	
urrogate: n-Nonane	51.1		50.0		102	61-141			

Chloride

#### **QC Summary Data**

Devon Energy - Carlsbad		Project Name:		oundary Raid	er 5 Federa	1#231H			Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number Project Manager		1058-0007 .nna Byers					2/10/2025 11:39:18AM
		Anions	by EPA	300.0/9056 <i>£</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506034-BLK1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	ND	20.0							
LCS (2506034-BS1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2506034-MS1)				Source:	E502010-	03	Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	492	20.0	250	217	110	80-120			
Matrix Spike Dup (2506034-MSD1)				Source:	E502010-	03	Prepared: 0	2/04/25 A	nalyzed: 02/04/25

250

20.0

80-120

6.29

97.9

#### 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:	Boundary Raider 5 Federal #231H	
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 11:39

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.



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Project I	Manager: /	Anna Bye	rs			Attention: Jim Raley Address: 5315 Buena Vista Dr.		Er.	100	no						20	3D	Stan	CONTRACTION OF THE	CWA	1	SDWA	
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Balinquist	ed by (Sign Ged by: (Sign	ature)	Date	Time	H/40 Re	ceived by: (	(Signature)	les 2.3.	25	Time	40		Rece	ived	on ice:		b Us	e On	ly				
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Note: Sam					unless other	arrangemer	nts are made. Haz	zardous samples	vill be	eturno	ass, p	o - po	or dis-	istic,	ag - ambe	er glas	ss, v -	VOA		for all			
above san	ples is appli	cable only	to those sa	mples received by	the laborator	y with this (	COC. The liability o	f the laboratory	slimite	d to th	e amo	unt p	aid fo	r on th	ne report.	.nent 6	xpens	e. in	e report	ior the a	maiysis	or the	8



Printed: 2/4/2025 8:22:13AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/04/25	06:30	,	Work Order ID:	E502012
Phone:	(575) 748-0176	Date Logged In:	02/03/25	16:21	I	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	02/10/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mat	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in	the field,	Yes				
Sample '	i.e, 15 minute hold time, are not included in this disucssion Turn Around Time (TAT)	n.		Г		Comment	s/Resolution
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	•						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?						
	custody/security seals present?		Yes				
	· · · ·		No				
-	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
15. Are \	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum info	rmation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	_			
			No				
	Preservation the COC or field labels indicate the samples were pr	agamrad9	No				
	• • •	eserveu:	No NA				
	ample(s) correctly preserved?  of filteration required and/or requested for dissolved m	otola?	NA N-				
	1	ctais:	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborator	y?	No				
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab:	NA		
Client I	<u>nstruction</u>						

Date

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

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E502013

Job Number: 01058-0007

Received: 2/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/10/25

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

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

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

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

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

Date Reported: 2/10/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502013

Date Received: 2/4/2025 6:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/4/2025 6:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH07 0.5'	5
PH08 0.5'	6
PH09 0.5'	7
PH10 0.5'	8
PH11 0.5'	9
PH12 0.5'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:	
Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 11:40	

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH07 0.5'	E502013-01A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH08 0.5'	E502013-02A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH09 0.5'	E502013-03A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH10 0.5'	E502013-04A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH11 0.5'	E502013-05A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.
PH12 0.5'	E502013-06A Soil	01/31/25	02/04/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH07 0.5' E502013-01

		E302013-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/06/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/06/25	
Toluene	ND	0.0250	1	02/04/25	02/06/25	
o-Xylene	ND	0.0250	1	02/04/25	02/06/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/06/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/06/25	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	02/04/25	02/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		105 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2506034
Chloride	230	20.0	1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH08 0.5' E502013-02

		E302013-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	02/04/25	02/07/25	
o,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.1 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		103 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2506034
Chloride	232	20.0	1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH09 0.5' E502013-03

	E302013-03				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2506031
ND	0.0250	1	02/04/25	02/05/25	
ND	0.0250	1	02/04/25	02/05/25	
ND	0.0250	1	02/04/25	02/05/25	
ND	0.0250	1	02/04/25	02/05/25	
ND	0.0500	1	02/04/25	02/05/25	
ND	0.0250	1	02/04/25	02/05/25	
	98.5 %	70-130	02/04/25	02/05/25	
mg/kg	mg/kg	Ana	lyst: BA		Batch: 2506031
ND	20.0	1	02/04/25	02/05/25	
	86.3 %	70-130	02/04/25	02/05/25	
mg/kg	mg/kg	Ana	lyst: NV		Batch: 2506037
ND	25.0	1	02/04/25	02/05/25	
ND	50.0	1	02/04/25	02/05/25	
	104 %	61-141	02/04/25	02/05/25	
mg/kg	mg/kg	Ana	lyst: DT		Batch: 2506034
42.0	20.0	1	02/04/25	02/04/25	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           98.5 %         mg/kg           mg/kg         mg/kg           ND         20.0           86.3 %         mg/kg           ND         25.0           ND         50.0           104 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Ana           ND         20.0         1           86.3 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           104 %         61-141         61-141           mg/kg         mg/kg         Ana	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0500         1         02/04/25           ND         0.0250         1         02/04/25           ND         0.0250         1         02/04/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/04/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/04/25           ND         50.0         1         02/04/25           ND         50.0         1         02/04/25           ND         50.0         1         02/04/25           mg/kg         mg/kg         Analyst: NV	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         02/04/25         02/05/25           ND         0.0250         1         02/04/25         02/05/25           ND         0.0250         1         02/04/25         02/05/25           ND         0.0500         1         02/04/25         02/05/25           ND         0.0250         1         02/04/25         02/05/25           ND         0.0250         1         02/04/25         02/05/25           ND         0.0250         1         02/04/25         02/05/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         02/04/25         02/05/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         02/04/25         02/05/25           ND         50.0         1         02/04/25         02/05/25           ND         50.0         1         02/04/25         02/05/25           ND         50.0         1         02/04/25



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH10 0.5' E502013-04

		E302013-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/05/25	
Surrogate: n-Nonane		105 %	61-141	02/04/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2506034
Chloride	41.6	20.0	1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH11 0.5' E502013-05

		E302013-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
p-Xylene	ND	0.0250	1	02/04/25	02/07/25	
o,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		88.4 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.9 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/06/25	
Surrogate: n-Nonane		103 %	61-141	02/04/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2506034
Chloride	227	20.0	1	02/04/25	02/04/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

#### PH12 0.5' E502013-06

		E302013-00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2506031
Benzene	ND	0.0250	1	02/04/25	02/07/25	Butch: 2500051
Ethylbenzene	ND	0.0250	1	02/04/25	02/07/25	
Toluene	ND	0.0250	1	02/04/25	02/07/25	
o-Xylene	ND	0.0250	1	02/04/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/04/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/04/25	02/07/25	
Surrogate: 4-Bromochlorobenzene-PID		88.4 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2506031
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/04/25	02/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.5 %	70-130	02/04/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2506037
Diesel Range Organics (C10-C28)	ND	25.0	1	02/04/25	02/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/04/25	02/06/25	
Surrogate: n-Nonane		103 %	61-141	02/04/25	02/06/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2506034
Chloride	40.7	20.0	1	02/04/25	02/04/25	



Boundary Raider 5 Federal #231H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/10/2025 11:40:33AM **Volatile Organics by EPA 8021B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2506031-BLK1) Prepared: 02/04/25 Analyzed: 02/05/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.37 8.00 92.1 70-130 LCS (2506031-BS1) Prepared: 02/04/25 Analyzed: 02/07/25 5.20 104 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.14 0.0250 5.00 103 70-130 5.21 0.0250 5.00 104 70-130 Toluene 102 o-Xylene 5.11 0.0250 5.00 70-130 10.5 10.0 105 70-130 0.0500 p.m-Xvlene 104 70-130 15.6 15.0 Total Xylenes 0.0250 8.00 83.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.69 Matrix Spike (2506031-MS1) Source: E502013-03 Prepared: 02/04/25 Analyzed: 02/07/25 5.31 0.0250 5.00 ND 54-133 Benzene ND 105 61-133 Ethylbenzene 5.24 0.0250 5.00 Toluene 5.31 0.0250 5.00 ND 106 61-130 5.20 ND 104 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.7 0.0500 10.0 ND 107 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.61 8.00 Matrix Spike Dup (2506031-MSD1) Source: E502013-03 Prepared: 02/04/25 Analyzed: 02/07/25 5.40 0.0250 5.00 ND 54-133 1.69 20 ND 61-133 2.00 5.34 0.0250 5.00 107 20 Ethylbenzene 61-130 Toluene 5 40 0.0250 5.00 ND 108 1.78 20 5.31 5.00 ND 106 63-131 1.94 20 o-Xylene 0.0250 10.9 10.0 ND 109 63-131 1.88 20

0.0500

0.0250

15.0

8.00

ND

108

84.6

63-131

70-130

1.90

20

16.2

6.77



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

Artesia NM, 88210		Project Manage	r: Ar	na Byers				2/10	0/2025 11:40:33AM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2506031-BLK1)							Prepared: 02	2/04/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			
LCS (2506031-BS2)							Prepared: 02	2/04/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.8	70-130			
Matrix Spike (2506031-MS2)				Source:	E502013-	03	Prepared: 02	2/04/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.92		8.00		86.5	70-130			
Matrix Spike Dup (2506031-MSD2)				Source:	E502013-	03	Prepared: 02	2/04/25 Analy	yzed: 02/05/25
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130	1.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Anna Byers	2/10/2025 11:40:33AM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					2/10/2025 11:40:33AM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	ORO/			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506037-BLK1)							Prepared: 0	2/04/25 A	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.8	61-141			
LCS (2506037-BS1)							Prepared: 0	2/04/25 A	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	237	25.0	250		94.7	66-144			
Surrogate: n-Nonane	48.9		50.0		97.8	61-141			
Matrix Spike (2506037-MS1)				Source:	E502011-1	12	Prepared: 0	2/04/25 A	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	50.2		50.0		100	61-141			
Matrix Spike Dup (2506037-MSD1)				Source:	E502011-1	12	Prepared: 0	2/04/25 A	nalyzed: 02/05/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	56-156	2.76	20	
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Chloride

### **QC Summary Data**

Devon Energy - Carlsbad		Project Name:		oundary Raid	er 5 Federa	ıl #231H			Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number Project Manager		1058-0007 .nna Byers					2/10/2025 11:40:33AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2506034-BLK1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	ND	20.0							
LCS (2506034-BS1)							Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2506034-MS1)				Source:	E502010-	03	Prepared: 0	2/04/25 A	nalyzed: 02/04/25
Chloride	492	20.0	250	217	110	80-120			
Matrix Spike Dup (2506034-MSD1)				Source:	E502010-	03	Prepared: 0	2/04/25 A	nalyzed: 02/04/25

250

20.0

97.9

80-120

6.29

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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/10/25 11:40

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.



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				ived
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				TD: 4
				/15/2025
				Received by OCD: 4/15/2025 6:23:00 AM
				AM

Client: Devon Energy Production Co, LP		LP	Bill To		Hai i		La	b Us	Jse Only			TAT			EPA P	EPA Program			
Project: I	Boundary	Raider 5	Federal #	231H	Attention: Jim Raley		Lab	WO#	†		Job 1	Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	lanager:	Anna Bye	rs		Address: 5315 Buena Vista Dr.		FE	500	ol?	2	MA	0	0007				5 day TAT		
Etech Pro	oject #: 21	689			City, State, Zip: Carlsbad, NM, 8822	0	-	-		_	UIU	>0,	un!						
Address:	13000 W	County F	Rd 100		Phone: 575-885-7502						Analy	sis ar	nd Metho	d					RCRA
City, Stat	e, Zip_Od	essa,TX,	79765		Email: jim.raley@dvn.com	No.	10	30							Т				78.
Phone: 4	32-305-64	115		200 0	WO: 21483855	N	1 1	015	40									State	
Email: De	evon-tean	@etech	env.com		Incident ID: nAPP2501341167	714		by 8						1		1 1	NM C	SA TU C	TX
					49	7 34	7 1	TPH GRO/DRO/ORO by 8015	10			13.1			1				
15. 4								30/0	н	0		0.0		ΣZ		×			
Collected	by: Hale	gh Blume	e				7	10/0	8021	826	5010	300		1		¥	×		
Time	Date	Matrix	No. of	Sample ID		Lab	Depth(ft.	GR	ВТЕХ БУ	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	ni e
Sampled	Sampled	IVIdelix	Containers	Sample ID		Number	Dep	TP.	BTE	Νον	Ze.	S S		BG		GD		Kemarks	8
15:15	01.31.25	S	1		PH07	1	0.5							х					
15:20	01.31.25	S	1		PH08	2	0.5							х					
15:25	01.31.25	S	1		PH09	3	0.5		-					х					
15:30	01.31.25	S	1.		PH10	4	0.5	7						х					
15:35	01.31.25	S	1		PH11	5	0.5'							х					
15:40	01.31.25	S	1		PH12	6	0.5'							x					
														-	-				
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envirotecles

envirotech Inc.

Printed: 2/4/2025 8:24:27AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

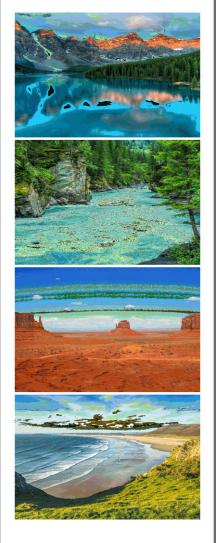
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	02/04/25	06:30		Work Order ID:	E502013
Phone:	(575) 748-0176	Date Logged In:	02/03/25	16:41		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	02/10/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes			<u>Comments</u>	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C				
Sample C		- F	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	•						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
D	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
	<u>reservation</u>						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client Ir	nstruction_						
<u> </u>							

Date

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

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: Boundary Raider 5 Federal #231H

Work Order: E502193

Job Number: 01058-0007

Received: 2/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/27/25

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

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

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

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

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

Date Reported: 2/27/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502193

Date Received: 2/21/2025 4:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2025 4:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

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### **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH13 0.5'	5
PH13 2'	6
PH14 0.5'	7
PH14 2'	8
PH15 0.5'	9
PH15 2'	10
PH16 0.5'	11
PH16 2'	12
PH17 0.5'	13
PH17 2'	14
QC Summary Data	15
QC - Volatile Organic Compounds by EPA 8260B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

### Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/27/25 08:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH13 0.5'	E502193-01A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH13 2'	E502193-02A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH14 0.5'	E502193-03A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH14 2'	E502193-04A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH15 0.5'	E502193-05A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH15 2'	E502193-06A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH16 0.5'	E502193-07A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH16 2'	E502193-08A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH17 0.5'	E502193-09A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH17 2'	E502193-10A	Soil	02/18/25	02/21/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH13 0.5' E502193-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2508103
Benzene	ND	0.0250		1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250		1	02/21/25	02/21/25	
Toluene	ND	0.0250		1	02/21/25	02/21/25	
o-Xylene	ND	0.0250		1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500		1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250		1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.6 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		96.9 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.6 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		96.9 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2509013
Diesel Range Organics (C10-C28)	ND	25.0		1	02/21/25	02/24/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/21/25	02/24/25	
Surrogate: n-Nonane		105 %	61-141		02/21/25	02/24/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2508115
Chloride	ND	20.0	<u> </u>	1	02/21/25	02/21/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH13 2' E502193-02

	_	Reporting	_			
Analyte	Result	Limit	Dilut	tion Prepared	l Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		97.8 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		97.8 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		112 %	61-141	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2508115

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH14 0.5' E502193-03

		E302175-05				
Australia	Dl/	Reporting		D 1	A	Notes
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		97.4 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		97.4 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		106 %	61-141	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2508115
Chloride	ND	20.0	1	02/21/25	02/21/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH14 2' E502193-04

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: F	RKS		Batch: 2508103
Benzene	ND	0.0250	1		02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1		02/21/25	02/21/25	
Toluene	ND	0.0250	1		02/21/25	02/21/25	
o-Xylene	ND	0.0250	1		02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1		02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1		02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		98.4 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: F	RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.7 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		98.4 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: A	AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1		02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1		02/21/25	02/22/25	
Surrogate: n-Nonane		107 %	61-141		02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: F	RAS		Batch: 2508115

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/27/2025 8:48:36AM

#### PH15 0.5' E502193-05

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		96.8 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.5 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		96.8 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		113 %	61-141	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	P	Analyst: RAS		Batch: 2508115
Chloride	ND	20.0	1	02/21/25	02/21/25	

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/27/2025 8:48:36AM

#### PH15 2' E502193-06

Notes
Notes
Batch: 2508103
Batch: 2508103
Batch: 2508107
Batch: 2508115



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH16 0.5' E502193-07

		2002190 07					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
				Analyst		Amaryzea	Batch: 2508103
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Allaryst		02/21/25	Batch: 2308103
Benzene	ND	0.0250		1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250		1	02/21/25	02/21/25	
Toluene	ND	0.0250		1	02/21/25	02/21/25	
o-Xylene	ND	0.0250		1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500		1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250		1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.1 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		97.5 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		95.1 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		97.5 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0		1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/21/25	02/22/25	
Surrogate: n-Nonane		110 %	61-141		02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2508115
Chloride	ND	20.0		1	02/21/25	02/21/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/27/2025 8:48:36AM

#### PH16 2' E502193-08

		E302175-00				
Analyte	Result	Reporting Limit	Dilut	tion Prepared	Analyzed	Notes
Allaryte		Limit		1	Anaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		97.2 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		100 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		97.2 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		100 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		111 %	61-141	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2508115
Chloride	ND	20.0	1	02/21/25	02/21/25	



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

#### PH17 0.5' E502193-09

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepa	ared Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21	1/25 02/21/25	
Ethylbenzene	ND	0.0250	1	02/21	1/25 02/21/25	
Toluene	ND	0.0250	1	02/21	1/25 02/21/25	
o-Xylene	ND	0.0250	1	02/21	1/25 02/21/25	
p,m-Xylene	ND	0.0500	1	02/21	1/25 02/21/25	
Total Xylenes	ND	0.0250	1	02/21	1/25 02/21/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130	02/21	1/25 02/21/25	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	02/21	1/25 02/21/25	
Surrogate: Toluene-d8		96.0 %	70-130	02/21	1/25 02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21	1/25 02/21/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130	02/21	1/25 02/21/25	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	02/21	1/25 02/21/25	
Surrogate: Toluene-d8		96.0 %	70-130	02/21	1/25 02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	30.3	25.0	1	02/21	1/25 02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21	1/25 02/22/25	
Surrogate: n-Nonane		111 %	61-141	02/21	1/25 02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS		Batch: 2508115
Chloride	29.2	20.0	1	02/21	1/25 02/21/25	·

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/27/2025 8:48:36AM

#### PH17 2' E502193-10

	Reporting					
Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2508103
ND	0.0250		1	02/21/25	02/22/25	
ND	0.0250		1	02/21/25	02/22/25	
ND	0.0250		1	02/21/25	02/22/25	
ND	0.0250		1	02/21/25	02/22/25	
ND	0.0500		1	02/21/25	02/22/25	
ND	0.0250		1	02/21/25	02/22/25	
	98.6 %	70-130		02/21/25	02/22/25	
	93.8 %	70-130		02/21/25	02/22/25	
	98.8 %	70-130		02/21/25	02/22/25	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2508103
ND	20.0		1	02/21/25	02/22/25	
	98.6 %	70-130		02/21/25	02/22/25	
	93.8 %	70-130		02/21/25	02/22/25	
	98.8 %	70-130		02/21/25	02/22/25	
mg/kg	mg/kg		Analyst:	AF		Batch: 2508107
ND	25.0		1	02/21/25	02/22/25	
ND	50.0		1	02/21/25	02/22/25	
	113 %	61-141		02/21/25	02/22/25	
mg/kg	mg/kg		Analyst:	RAS		Batch: 2508115
ND	20.0		1	02/21/25	02/21/25	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           98.6 %         93.8 %           98.8 %         mg/kg           ND         20.0           98.6 %         93.8 %           98.8 %         mg/kg           ND         25.0           ND         50.0           113 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dile           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           PROME STATE S	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           98.6 %         70-130           98.8 %         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           98.8 %         70-130         98.8 %           ND         25.0         1           ND         25.0         1           ND         50.0         1           113 %         61-141           mg/kg         Mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         02/21/25           ND         0.0250         1         02/21/25           ND         0.0250         1         02/21/25           ND         0.0500         1         02/21/25           ND         0.0250         1         02/21/25           ND         0.0250         1         02/21/25           98.6 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.6 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.8 %         70-130         02/21/25           98.8 %         70-130         02/21/25           MD         25.0         1         02/21/25           ND         50.0         1         02/21/25           ND         50.0         1         02/21/25           MD	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         02/21/25         02/22/25           ND         0.0500         1         02/21/25         02/22/25           ND         0.0250         1         02/21/25         02/22/25           ND         0.0250         1         02/21/25         02/22/25           98.6 %         70-130         02/21/25         02/22/25           98.8 %         70-130         02/21/25         02/22/25           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         02/21/25         02/22/25           98.8 %         70-130         02/21/25         02/22/25           mg/kg         mg/kg         Analyst: AF           ND         25.0         1         02/21/25         02/22/25           ND         50.0



Devon Energy - Carlsbad Boundary Raider 5 Federal #231H Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/27/2025 8:48:36AM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % Notes Blank (2508103-BLK1) Prepared: 02/21/25 Analyzed: 02/21/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.479 0.500 95.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 0.500 98.0 70-130 0.500 96.9 70-130 Surrogate: Toluene-d8 0.485 LCS (2508103-BS1) Prepared: 02/21/25 Analyzed: 02/21/25 2.50 0.0250 2.50 99.8 70-130 Benzene 70-130 2.42 2.50 96.8 0.0250 Ethylbenzene 2.36 0.0250 2.50 94.4 70-130 2.29 2.50 91.7 70-130 0.0250 o-Xylene 91.6 4.58 5.00 70-130 p,m-Xylene 0.0500 6.87 0.0250 7.50 91.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.486 0.500 97.1 70-130 0.500 97.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.485 Surrogate: Toluene-d8 0.500 70-130 0.484 Matrix Snike (2508103-MS1) Source: F502103 05 Prenared: 02/21/25 Analyzed: 02/21/25

Wiatrix Spike (2508103-WIS1)				Source:	E502193-	05	Prepared: 02/21/25 Analyzed: 02/21/25
Benzene	2.47	0.0250	2.50	ND	98.8	48-131	
Ethylbenzene	2.39	0.0250	2.50	ND	95.7	45-135	
Toluene	2.35	0.0250	2.50	ND	94.0	48-130	
o-Xylene	2.32	0.0250	2.50	ND	92.6	43-135	
p,m-Xylene	4.63	0.0500	5.00	ND	92.7	43-135	
Total Xylenes	6.95	0.0250	7.50	ND	92.7	43-135	
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130	
Surrogate: Toluene-d8	0.477		0.500		95.4	70-130	

Matrix Spike Dup (2508103-MSD1)				Source: E502193-05			Prepared: 02/21/25 Analyzed: 02/21/25		
Benzene	2.03	0.0250	2.50	ND	81.4	48-131	19.4	23	
Ethylbenzene	1.98	0.0250	2.50	ND	79.3	45-135	18.8	27	
Toluene	1.94	0.0250	2.50	ND	77.5	48-130	19.2	24	
o-Xylene	1.90	0.0250	2.50	ND	75.9	43-135	19.8	27	
p,m-Xylene	3.81	0.0500	5.00	ND	76.2	43-135	19.5	27	
Total Xylenes	5.71	0.0250	7.50	ND	76.1	43-135	19.6	27	
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.5	70-130			

Surrogate: Toluene-d8

### **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	_
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

Artesia NM, 88210		Project Manager		nna Byers					2/27/2025 8:48:36AN
	Nor	nhalogenated (	Organics l	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508103-BLK1)							Prepared: 0	2/21/25 <i>A</i>	Analyzed: 02/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			
LCS (2508103-BS2)							Prepared: 0	2/21/25	Analyzed: 02/21/25
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			
Matrix Spike (2508103-MS2)				Source:	E502193-0	05	Prepared: 0	2/21/25	Analyzed: 02/21/25
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			
Matrix Spike Dup (2508103-MSD2)				Source:	E502193-0	05	Prepared: 0	2/21/25	Analyzed: 02/21/25
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130	2.88	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			

0.500

0.495

98.9

70-130



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy Artesia NM, 88210	Project Number: Project Manager:	01058-0007 Anna Byers	2/27/2025 8:48:36AM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					2/27/2025 8:48:36AN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508107-BLK1)							Prepared: 0	2/21/25 A	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	61-141			
LCS (2508107-BS1)							Prepared: 0	2/21/25 A	nalyzed: 02/21/25
Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
Surrogate: n-Nonane	55.3		50.0		111	61-141			
Matrix Spike (2508107-MS1)				Source:	E502194-	05	Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	344	25.0	250	ND	137	56-156			
Surrogate: n-Nonane	58.2		50.0		116	61-141			
Matrix Spike Dup (2508107-MSD1)				Source:	E502194-	05	Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	351	25.0	250	ND	140	56-156	2.01	20	
Surrogate: n-Nonane	58.9		50.0		118	61-141			



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Anna Byers	2/27/2025 8:48:36AM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					2/27/2025 8:48:36AN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509013-BLK1)							Prepared: 0	2/24/25 A	nalyzed: 02/24/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.4		50.0		107	61-141			
LCS (2509013-BS1)							Prepared: 0	2/24/25 A	nalyzed: 02/24/25
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			
Matrix Spike (2509013-MS1)				Source:	E502220-2	24	Prepared: 0	2/24/25 A	nalyzed: 02/24/25
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.7	56-156			
Surrogate: n-Nonane	51.3		50.0		103	61-141			
Matrix Spike Dup (2509013-MSD1)				Source:	E502220-2	24	Prepared: 0	2/24/25 A	analyzed: 02/24/25
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156	1.75	20	
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raid 01058-0007	er 5 Federa	ıl #231H			Reported:
Artesia NM, 88210		Project Manager	r: 1	Anna Byers					2/27/2025 8:48:36AM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508115-BLK1)							Prepared: 02	2/21/25 A	.nalyzed: 02/21/25
Chloride	ND	20.0							
LCS (2508115-BS1)							Prepared: 02	2/21/25 A	nalyzed: 02/21/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2508115-MS1)				Source:	E502193-	04	Prepared: 02	2/21/25 A	nalyzed: 02/21/25
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2508115-MSD1)				Source:	E502193-	04	Prepared: 02	2/21/25 A	nalyzed: 02/21/25
Chloride	259	20.0	250	ND	104	80-120	0.267	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/27/25 08:48

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 Us				se Only		TA			T.		EPA P	ogram	
Project: Boundary Raider 5 Federal #231H					Attention: Jim Raley		Lab WO#				Job Number		1D 2D		3D Standard		ndard	CWA	SDWA	
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.		E502193				01000					5 da	y TAT			
Etech Project #: 21689					City, State, Zip: Carlsbad, NM, 88220		-002193			,	01058-0007									
Address: 13000 W County Rd 100				14	Phone: 575-885-7502						Analysis and Method			d						RCRA
City, State, Zip_Odessa,TX, 79765					Email: jim.raley@dvn.com									Г						
Phone: 432-305-6415					WO: 21483855		1	015											State	
Email: Devon-team@etechenv.com					Incident ID: nAPP2501341167		1	8 Aq									N	M CO	UT AZ	TX
							1	RO												
Collected by: Haleigh Blume								TPH GRO/DRO/ORO by 8015	8021	VOC by 8260	010	Chloride 300.0		ΣN		¥		×		
Time	Date		No. of			Lab	Depth(ft.)	GRC	втех by	by 8	Metals 6010	ride		BGDOC		8				
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Dep	TPH	BTE)	VOC	Met	Chlo		BGE		GDOC			Remarks	
9:40	02.18.202 5	S	1		PH13	1	0.5'							х						
9:55	02.18.202 5	S	1		PH13	2	2'							х						
11:30	02.18.202 5	S	1		PH14	3	0.5							х			-			
11:40	02.18.202 5	S	1		PH14	4	2'							х						
13:00	02.18.202 5	S	1	PH15		5	0.5'							х						
13:10	02.18.202 5	S	1	PH15		6	2'							х						
14:10	02.18.202	S	1		PH16		0.5							х						
14:20	02.18.202 5	S	1		PH16	8	2'							х						
15:05	02.18.202 5	S	1		PH17	9	0.5'							х						
15:15	02.18.202 5	S	1		PH17	10	2'							х						
Addition	al Instruct	ions:		L.,,,,,		To the second														
1					n aware that tampering with or intentionally misla	abelling the samp	e locati	on,	<del></del>		100000000000000000000000000000000000000								they are sam	April 1997
date or time of collection is considered fraud and may be grounds for legal action.  Relinquished by: (Signature)  Date  Date  Time  Secrived by: (Signature)  Date  Date  Date  Date  Date  Date  Neceived by: (Signature)  Date  Date  Date  Neceived pocked in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Time  Received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Refireuis led by: (Signature) Date Time Received by: (Signature) Date								Time												
Relingsished by: (Signature)  Date  Time  Received by: (Signature)  Date  Date							62													
Reinodistact by: (Signature)  Date  Received by: (Signature)  Date  Received by: (Signature)  Date  Received by: (Signature)  Date  Received by: (Signature)  Date  AVG Temp °C 4																				
Sample Matrix: S - Soil, Sq - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									No. of Contract of											
	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																			
					atory with this COC. The liability of the labor									nent	exhen	se. 11	ie repor	t for the	analysis Ol	TIE ADOVE



Page 142 of 241

Printed: 2/21/2025 10:16:37AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/21/25 0	4:30		Work Order ID:	E502193
Phone:	(575) 748-0176	Date Logged In:	02/20/25 1	5:41		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	02/27/25 1	7:00 (4 day TAT)			
1. Does th 2. Does th 3. Were sa 4. Was the	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma imples dropped off by client or carrier? c COC complete, i.e., signatures, dates/times, reque I samples received within holding time?	sted analyses?	Yes Yes Yes Yes Yes	Carrier: <u>C</u>	ourier_		
Sample T	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi urn Around Time (TAT)	•		Г		Comment	s/Resolution
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	•		105				
	ample cooler received?		Yes				
	vas cooler received in good condition?		Yes				
•	sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	re received w/i 15	Yes				
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C			3.7				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
	trip blank (TB) included for VOC analyses?	ก	NA				
	on-VOC samples collected in the correct containers		Yes				
	ppropriate volume/weight or number of sample contain	ners conected?	Yes				
	er ield sample labels filled out with the minimum info Imple ID?	ormation:	Yes				
	ate/Time Collected? ollectors name?		Yes Yes	L			
	reservation		103				
	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborate	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	struction_						

Date

Report to:
Anna Byers







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: Boundary Raider 5 Federal #231H

Work Order: E502189

Job Number: 01058-0007

Received: 2/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/26/25

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

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

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

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

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

Date Reported: 2/26/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502189

Date Received: 2/21/2025 4:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2025 4:30:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

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## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH13 4'	5
PH15 4'	6
PH16 4'	7
PH17 4'	8
QC Summary Data	9
QC - Volatile Organic Compounds by EPA8260B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/26/25 11:34

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH13 4'	E502189-01A Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH14 4'	E502189-02A Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH15 4'	E502189-03A Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH16 4'	E502189-04A Soil	02/18/25	02/21/25	Glass Jar, 2 oz.
PH17 4'	F502189-05A Soil	02/18/25	02/21/25	Glass Jar. 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/26/2025 11:34:09AM

#### PH13 4' E502189-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2508101
Benzene	ND	0.0250	1	l	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	l	02/21/25	02/21/25	
Toluene	ND	0.0250	1	l	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	l	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	l	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	l	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		104 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		101 %	70-130		02/21/25	02/21/25	
Surrogue. Totache ao		101 /0	70-130		02/21/20	V=/==/= <del>V</del>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S			Batch: 2508101
	mg/kg ND					02/21/25	Batch: 2508101
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg			SL		Batch: 2508101
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10)		mg/kg 20.0	1		SL 02/21/25	02/21/25	Batch: 2508101
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene		mg/kg 20.0	70-130		02/21/25 02/21/25	02/21/25 02/21/25	Batch: 2508101
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4		mg/kg 20.0 104 % 98.3 %	70-130 70-130 70-130		02/21/25 02/21/25 02/21/25 02/21/25 02/21/25	02/21/25 02/21/25 02/21/25	Batch: 2508101
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	ND	mg/kg 20.0  104 % 98.3 % 101 %	70-130 70-130 70-130	1	02/21/25 02/21/25 02/21/25 02/21/25 02/21/25	02/21/25 02/21/25 02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Nonhalogenated Organics by EPA 8015D - DRO/ORO	ND mg/kg	mg/kg 20.0  104 % 98.3 % 101 %  mg/kg	70-130 70-130 70-130	1	02/21/25 02/21/25 02/21/25 02/21/25 02/21/25 NV	02/21/25 02/21/25 02/21/25 02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Nonhalogenated Organics by EPA 8015D - DRO/ORO  Diesel Range Organics (C10-C28)	ND mg/kg ND	mg/kg 20.0  104 % 98.3 % 101 %  mg/kg 25.0	70-130 70-130 70-130	1	02/21/25 02/21/25 02/21/25 02/21/25 02/21/25 NV 02/21/25	02/21/25 02/21/25 02/21/25 02/21/25 02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND mg/kg ND	mg/kg 20.0  104 % 98.3 % 101 %  mg/kg 25.0 50.0	1 70-130 70-130 70-130	1	02/21/25 02/21/25 02/21/25 02/21/25 02/21/25 NV 02/21/25 02/21/25 02/21/25	02/21/25 02/21/25 02/21/25 02/21/25 02/22/25 02/22/25	



Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/26/2025 11:34:09AM

#### PH15 4' E502189-03

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2508101
Benzene	ND	0.0250	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL	Batch: 2508101	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130	02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	02/21/25	02/21/25	
Surrogate: Toluene-d8		103 %	70-130	02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2508108
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
Surrogate: n-Nonane		90.4 %	61-141	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2508113
Chloride	ND	20.0	1	02/21/25	02/21/25	

Devon Energy - CarlsbadProject Name:Boundary Raider 5 Federal #231H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers2/26/2025 11:34:09AM

#### PH16 4' E502189-04

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	g/kg mg/kg		Analyst:	SL		Batch: 2508101
Benzene	ND	0.0250	1	1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250	1	1	02/21/25	02/21/25	
Toluene	ND	0.0250	1	1	02/21/25	02/21/25	
o-Xylene	ND	0.0250	1	1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500	1	1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	1	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		105 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL			Batch: 2508101
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		103 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		105 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2508108
Diesel Range Organics (C10-C28)	ND	25.0	1	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	02/21/25	02/22/25	
Surrogate: n-Nonane		88.4 %	61-141		02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2508113
	ND	20.0	1		02/21/25	02/21/25	

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/26/2025 11:34:09AM

#### PH17 4' E502189-05

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2508101
Benzene	ND	0.0250		1	02/21/25	02/21/25	
Ethylbenzene	ND	0.0250		1	02/21/25	02/21/25	
Toluene	ND	0.0250		1	02/21/25	02/21/25	
o-Xylene	ND	0.0250		1	02/21/25	02/21/25	
p,m-Xylene	ND	0.0500		1	02/21/25	02/21/25	
Total Xylenes	ND	0.0250	·	1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		104 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2508101
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/21/25	02/21/25	
Surrogate: Bromofluorobenzene		105 %	70-130		02/21/25	02/21/25	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		02/21/25	02/21/25	
Surrogate: Toluene-d8		104 %	70-130		02/21/25	02/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2508108
Diesel Range Organics (C10-C28)	ND	25.0		1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/21/25	02/22/25	
Surrogate: n-Nonane		86.3 %	61-141	·	02/21/25	02/22/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2508113
Chloride	ND	20.0		1	02/21/25	02/21/25	



Devon Energy - Carlsbad Boundary Raider 5 Federal #231H Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/26/2025 11:34:09AM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2508101-BLK1) Prepared: 02/21/25 Analyzed: 02/21/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.510 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.510 0.500 102 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.511 LCS (2508101-BS1) Prepared: 02/21/25 Analyzed: 02/21/25 2.32 0.0250 2.50 92.6 70-130 Benzene 2.37 2.50 95.0 70-130 Ethylbenzene 0.0250 2.47 0.0250 2.50 98.8 70-130 2.46 70-130 0.0250 2.50 98.2 o-Xylene 5.06 5.00 101 70-130 p,m-Xylene 0.0500 7.52 0.0250 7.50 100 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.507 0.500 101 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.506 70-130 Surrogate: Toluene-d8 0.503 0.500 Matrix Spike (2508101-MS1) Source: E502190-02 Prepared: 02/21/25 Analyzed: 02/21/25 2.28 0.0250 2.50 ND 91.2 48-131 45-135 Ethylbenzene 2.33 0.0250 2.50 ND 93.4 97.1 48-130 Toluene 2.43 0.0250 2.50 ND 2.45 0.0250 2.50 ND 98.0 43-135 o-Xylene 5.04 5.00 ND 101 43-135 p,m-Xylene 0.0500 Total Xylenes 7.50 0.0250 7.50 ND 99.9 43-135 103 Surrogate: Bromofluorobenzene 0.516 0.500 70-130 0.522 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.507 Surrogate: Toluene-d8 Matrix Spike Dup (2508101-MSD1) Source: E502190-02 Prepared: 02/21/25 Analyzed: 02/21/25



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.44

2.56

2.56

5.28

7.83

0.508

0.507

0.498

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

ND

ND

ND

97.6

102

102

105

104

102

101

99.5

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

6.74

5.58

5.31

4.19

4.47

4.38

23

27

24

27

27

27

#### **QC Summary Data**

Devon Energy - Carlsbad Boundary Raider 5 Federal #231H Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 2/26/2025 11:34:09AM

Nonhalogenated	Organics by	v EPA 8015D	- GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508101-BLK1)						]	Prepared: 0	2/21/25 Analy	yzed: 02/21/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
LCS (2508101-BS2)						1	Prepared: 0	2/21/25 Analy	yzed: 02/21/25
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

Matrix Spike (2508101-MS2)				Source:	E502190-	02	Prepared: 02/21/25 Analyzed: 02/21/25
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130	
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130	
Surrogate: Toluene-d8	0.512		0.500		102	70-130	

Matrix Spike Dup (2508101-MSD2)				Source:	E502190-0	02	Prepared: 02/21/25 Analyzed: 02/21/2				
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130	0.0539	20			
Surrogate: Bromofluorobenzene	0.527		0.500		105	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					

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	2/26/2025 11:34:09AM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					2/26/2025 11:34:09AM
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508108-BLK1)							Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.0		50.0		87.9	61-141			
LCS (2508108-BS1)							Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	231	25.0	250		92.5	66-144			
Surrogate: n-Nonane	42.3		50.0		84.5	61-141			
Matrix Spike (2508108-MS1)				Source:	E502192-0	03	Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	44.2		50.0		88.3	61-141			
Matrix Spike Dup (2508108-MSD1)				Source:	E502192-0	03	Prepared: 0	2/21/25 A	nalyzed: 02/22/25
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	3.03	20	
Surrogate: n-Nonane	44.9		50.0		89.7	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Soundary Raide 1058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager	: A	anna Byers					2/26/2025 11:34:09AM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2508113-BLK1)							Prepared: 0	2/21/25 A	analyzed: 02/21/25
Chloride	ND	20.0							
LCS (2508113-BS1)							Prepared: 0	2/21/25 A	analyzed: 02/21/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2508113-MS1)				Source:	E502189-	)3	Prepared: 0	2/21/25 A	analyzed: 02/21/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2508113-MSD1)				Source:	E502189-	)3	Prepared: 0	2/21/25 A	analyzed: 02/21/25
Chloride	255	20.0	250	ND	102	80-120	0.204	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	02/26/25 11:34

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.



Received by OCD: 4/15/2025 6:23:00 AM

Client: De	evon Ener	gy Produc	ction Co,	LP	10			Bi	II To			N/A	Lá	ab Us	se On	ly				- 15	TAT		EPA P	rogram
Project: E	Boundary	Raider 5 F	ederal #2	231H		Atte	ntion: Jim F	Raley			Lab	WO#		W150	Job I	-	ber	1	0 20	30	ol s	tandard	CWA	SDWA
Project N	lanager: A	nna Byer	S				ress: 5315 E		Vista Dr.				189	2	010							day TAT		
Etech Pro	oject #: 21	689		Name and		City	, State, Zip:	Carlsba	ad, NM, 88220		- (	206	10,	1	010	00	-000	1						
Address:	13000 W	County R	d 100			Pho	ne: 575-885	5-7502							Analy	sis ar	nd Met	hod			500	15000		RCRA
City, Stat	e, Zip_Od	essa,TX, 7	9765	The state of		Ema	il: jim.raley	@dvn.	com											T	T			
Phone: 4	32-305-64	15			RIM	WO	: 21483855		marks that the state of			015					The same						State	
Email: De	evon-team	@eteche	nv.com			Incid	dent ID: nAf	PP2501	341167			by 8										NM CO	UT AZ	TX
	110416	2354710										ORO		1831										
											NM X X X													
Collected	l by: Halei	gh Blume			38						3	GRO/DRO/ORO by 8015	802	8260	Metals 6010	Chloride 300.0				×		×		
Time	Date	Matrix	No. of	Sample ID						Lab	Depth(ft.	GRO	втех ьу	VOCby	als 6	oride			BODOL	2			0	
Sampled	Sampled	11134555	Containers	Jampie ID						Number	Dep	ТРН	вте	VOC	Met	S. C.			50	GDOC			Remarks	
10:10	02.18.202	S	1				PH13				4'									1		Cance	lled	
10.10	5						11115			1									(			Samy	ple	as
11:50	02.18.202	(	1				PH14	N. C.		-	1.				3-1							we s	ece'iv	ed
11,50	5						11124			_												T emp	oty !	Jour.
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15:25	02.18.202	S	1				PH17			_	4'		Xon			56			,					1500
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-			fraud and m	nay be ground	s for legal	action.		mpled by		In .		-			T. C. C. T.	a poese	a ne de a	ani neg				man o Con sous	quent days.	
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				queous, O - Ot			11			Container	Type:	g-g	lass, p	p - pc	ly/pla	stic,	ag - an	nber g	lass, v	- VOA	A			
Note: Sam	ote: 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																							

envirotech Page 156 of 241

CL	-:-	~£	Cust	
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Page1	_of _	_1_	Received
			d by OCD:
			4/15/2025

Client: D	evon Ener	gy Produ	ction Co,	LP	21-12-	Bill To				La	b Us	se On	ly		Г		TA	AT	EPA P	rogram
	Boundary				Attention: J	im Ralev		Lab	WO#	77000700	-	Job I	Dept. Delication	per	1D	2D	3D	Standard	CWA	SDWA
	Manager: A			***************************************		15 Buena Vista Dr.			502			-						5 day TAT		
	oject #: 21				City, State,	Zip: Carlsbad, NM, 8822	20	- 5	SUZ	10	1	010	20	7000-						
Address	: 13000 W	County R	d 100		Phone: 575							Analy	sis ar	nd Metho	d			ME SEC		RCRA
	te, Zip_Od				Email: iim.ra	aley@dvn.com		1				ΓÍ			Т	Π				
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									10/0				0		5					
Collecte	d by: Halei	ah Blume	,						TPH GRO/DRO/ORO by 8015	021	760	10	Chloride 300.0		ΣN		×			
Time	Date Date	gir blaine	T	T			Lab	Depth(ft.)	SRO/	BTEX by 802	VOC by 8260	Metals 6010	de		2		اں	×		
Sampled	Sampled	Matrix	No. of Containers	Sample ID			Number	epth	HG	TEX	OC F	eta	nlor		BGDOC		GDOC		Remarks	
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13:20	02.18.202	S	1		PH15		3	4'							X					
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Addition	iai iiisti ac																			
I. (field sam	pler), attest to	the validity	and authent	icity of this sample.	am aware that tampe	ring with or intentionally mislat	elling the sampl	e locat	ion.	- 11-11-1		Sample	es requi	ring thermal	preserv	ation m	ust be n	eceived on ice the o	lay they are san	npled or
				may be grounds for le		Sampled by: HB						receive	ed pack	ed in ice at a	n avg te	mp abo	ve 0 but	less than 6 °C on s	ubsequent days	
The second second	ed by://Signa	201 19	Date			THE PERSON NAMED IN COLUMN TO THE PE	Date		Time			2860	234 17		1	ah H	se On	ilv		State state
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Sample Ma	trix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, <b>O</b> - Other _			Container	Туре	e: <b>g</b> - g	lass,	<b>p</b> - po	oly/pl	astic,	ag - amb	er gla	ss, v -	- VOA			
Note: Sam	nples are disc	arded 30 d	lays after re	esults are reported	unless other arrang	gements are made. Hazard	ous samples wi	ill be r	eturne	ed to c	lient	or disp	oosed	of at the	client	expen	se. Th	ne report for the	e analysis of	the above
samples is	applicable o	nly to thos	se samples	received by the lab	oratory with this CO	OC. The liability of the labora	atory is limited	to the	e amou	unt pa	id for	on th	e repo	ort.						



Printed: 2/21/2025 9:23:54AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

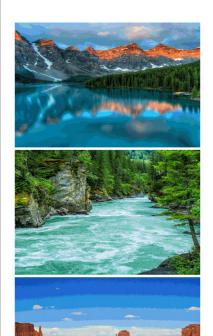
Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/21/25 04	4:30		Work Order ID:	E502189
Phone:	(575) 748-0176	Date Logged In:	02/20/25 15	5:11		Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	02/27/25 13	7:00 (4 day TAT)			
	Custody (COC)						
	e sample ID match the COC?	1.1.000	Yes				
	e number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
	c COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
	urn Around Time (TAT)				Commle CD	11.4.4 ****** ****	aallad man aliant
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Sample SP	14 4 was can	celled per client.
Sample C							
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4	<u>~</u>				
Sample C	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab		iers conceteu.	103				
	field sample labels filled out with the minimum info	rmation:					
	imple ID?	imation.	Yes				
	ate/Time Collected?		Yes				
Co	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pr	eserved?	No				
	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does t	he sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontra	act Laboratory						
	mples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and if	•		Subcontract Lab	· NA		
				Successifiant Eur	,, 1411		
Chent In	<u>struction</u>						

Date

Report to:
Anna Byers





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: Boundary Raider 5 Federal #231H

Work Order: E502300

Job Number: 01058-0007

Received: 3/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/25

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

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

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

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

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

Date Reported: 3/7/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502300

Date Received: 3/3/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2025 7:00:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

**Laboratory Administrator** Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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Michelle Gonzales

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## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH18 0.5'	5
PH18 2'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

#### **Sample Summary**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH18 0.5'	E502300-01A	Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH18 2'	E502300-02A	Soil	02/26/25	03/03/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:30:04PM

#### PH18 0.5' E502300-01

		E502300-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2510004
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		117 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:30:04PM

#### PH18 2'

		E502300-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2510004
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		109 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	



		<u> </u>		ir y Duc					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		oundary Raid 1058-0007	er 5 Federa	al #231H			Reported:
-		3							2/7/2025 1.20.04DM
Artesia NM, 88210		Project Manager:	A	nna Byers					3/7/2025 1:30:04PM
		Volatile O	rganics l	by EPA 802	21B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25	Analyzed: 03/04/25
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	7.34		8.00		91.7	70-130			
LCS (2510007-BS1)							Prepared: 0	3/03/25	Analyzed: 03/04/25
Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			
Matrix Spike (2510007-MS1)				Source:	E502293-	24	Prepared: 0	3/03/25	Analyzed: 03/04/25
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.3	70-130			
Matrix Spike Dup (2510007-MSD1)				Source:	E502293-	24	Prepared: 0	3/03/25	Analyzed: 03/04/25
Benzene	5.32	0.0250	5.00	ND	106	54-133	5.33	20	
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133	5.73	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	5.54	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	5.89	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	5.73	20	
•	160		150			(2.121	5.70	20	
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	5.78	20	



Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:30:04PM

Artesia NM, 88210		Project Manager	r: Ar	nna Byers				3,	/7/2025 1:30:04PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit %	Nista
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
LCS (2510007-BS2)							Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			
Matrix Spike (2510007-MS2)				Source:	E502293-	24	Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			
Matrix Spike Dup (2510007-MSD2)				Source:	E502293-	24	Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130	9.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy Artesia NM, 88210	Project Number: Project Manager:	01058-0007 Anna Byers	3/7/2025 1:30:04PM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					3/7/2025 1:30:04PM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510004-BLK1)							Prepared: 0	3/03/25 Ar	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	61-141			
LCS (2510004-BS1)							Prepared: 0	3/03/25 Ar	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	53.8		50.0		108	61-141			
Matrix Spike (2510004-MS1)				Source:	E502288-	06	Prepared: 0	3/03/25 Ar	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	55.9		50.0		112	61-141			
Matrix Spike Dup (2510004-MSD1)				Source:	E502288-0	06	Prepared: 0	3/03/25 Ar	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	1.88	20	
Surrogate: n-Nonane	58.2		50.0		116	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raid 11058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager	r: /	Anna Byers					3/7/2025 1:30:04PM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510019-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	ND	20.0							
LCS (2510019-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2510019-MS1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	368	20.0	250	114	102	80-120			
Matrix Spike Dup (2510019-MSD1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	367	20.0	250	114	101	80-120	0.245	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:30

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

Project: Boundary Raider 5 Federal #231H

Lab WO#

Lab Use Only

Job Number

Bill To

Attention: Jim Raley

**EPA Program** 

SDWA

CWA

TAT

Standard

3D

1D 2D

	/lanager: A		'S			ress: 5315 Buena Vista Dr.		_ L/	02:	2/Y	)	nin	W.	1001				5 a	lay IAI			
	oject #: 21					, State, Zip: Carlsbad, NM, 8822	0	~	u.			VIL	<i>'</i> '									
	13000 W				Pho	ne: 575-885-7502						Analy	sis an	d Meth	od	d						RCRA
City, Stat	e, Zip_Od	essa,TX, 7	79765		Em	ail: jim.raley@dvn.com										- 1						
Phone: 4	32-305-64	15			WC	): 21483855			3015											State	2	
Email: D	evon-team	@eteche	nv.com		Inci	dent ID: nAPP2501341167			by 8									ſ	NM CO	UT A	AZ T	X
									ORO									Ī				
Callasta	نواوال بيبط او	ah Dirasa						TPH GRO/DRO/ORO by 8015	021	09	10	300.0			Z	ΣZ	×					
V/01	d by: Halei	gn blume		r			Lab	£	RO/	9 A 8	V 82	s 60	de 3			2	()	ł	×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH G	BTEX by 802.	VOC by 8260	Metals 6010	Chloride			BGDOC	CDOC			Remai	rks	
8:30	02.18.202	S	1			PH18		0.5								х						
8:40	02.18.202	S	1			PH18	2	2'								х						
															1		П					
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				-					-					_	+		++	$\dashv$				
- 14-11															+	_	$\vdash$					
										1					+		$\Box$					
Addition	al Instruc	tions:																				
. 15.11												Teamel	los roqui	ring thorm:	al pro	ropution r	ourt ho ro	cohmd	on ice the d	ay thay ara	sampler	dor
				nay be grounds for l		that tampering with or intentionally mislab <u>Sampled by:</u> HB	elling the samp	oie ioca	tion,			60							an 6 °C on su			
Relinquish	ed by (Signa	ature)	np Date	111/20x-1	100	Received by: (Signature) Wichelle Gonzale	8 2.27	25	Time	70	0	Rec	eived	on ice:		Lab L	lse Onl	У				
Relinquished by Signature)  Relinquished by Signature  Relinquished by Sign			00	Received by: (Signature)	Date 2.28		Time	70	×2	Т1			1	2			Т3					
Relinquish	ed by: /9igna	nture)	Date	7 me		Received by: (Signature)		2. v. 18	Time	10	<u>~</u> _	11			4	-			15			
	<u> </u>	Ж.	16	18.63	-400	(aun	-		6	u			Tem						7/ 18/5			
				queous, <b>O</b> - Other _			Containe															
						her arrangements are made. Hazardo									clie	nt exper	se. The	e rep	ort for the	analysis	of the	above
samples is	applicable of	nly to thos	e samples i	eceived by the lab	oratory w	ith this COC. The liability of the labora	tory is limite	d to th	e amo	ount p	aid fo	r on th	ne repo	ort.								





Page 171 of 241

envirotech Inc.

Printed: 3/3/2025 10:26:55AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/03/25	07:00		Work Order ID:	E502300
Phone:	(575) 748-0176	Date Logged In:	02/28/25	17.14		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:		17:00 (4 day TAT)		Logged in By.	Not Solo
1. Does th	Custody (COC) e sample ID match the COC? e number of samples per sampling site location ma	tch the COC	Yes Yes				
	imples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Carrier. <u>C</u>	<u>Journer</u>		
5. Were al	l samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	n the field,	Yes	ſ		Comment	s/Resolution
	urn Around Time (TAT)  COC indicate standard TAT, or Expedited TAT?		Yes				
	<u>-</u>		105				
Sample C	ample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
	* * * *		Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C	ontainer						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · · · · · · · · · · · · · · · · · ·						
20. Were 1	— field sample labels filled out with the minimum info umple ID?	ormation:	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	he COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	.se?	No				
	does the COC specify which phase(s) is to be analy		NA				
•		,	1411				
	act Laboratory	9	NI.				
	imples required to get sent to a subcontract laborato	-	No NA	C 1 4 4 T 1	3.7.4		
	subcontract laboratory specified by the client and i	i so wiio?	INA	Subcontract Lab	: NA		
Client In	<u>struction</u>						

Date

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

Report to:
Anna Byers







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: Boundary Raider 5 Federal #231H

Work Order: E502299

Job Number: 01058-0007

Received: 3/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/25

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

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

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

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

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

Date Reported: 3/7/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502299

Date Received: 3/3/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2025 7:00:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Lynn Jarboe

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Cell: 505-320-4759

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Michelle Gonzales

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## **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH18 4'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

## Sample Summary

_			-	
Γ	Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
ı	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
1	Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:28

Client Sample ID	Lab Sample ID Matr	rix Sampled	Received	Container
PH18 4'	E502299-01A Soi	1 02/26/25	03/03/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:28:51PM

#### PH18 4' E502299-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: AF		Batch: 2510004
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		115 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	

		QC S	umm	ary Dat	a				
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	0	Boundary Raid 1058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager:	Α	Anna Byers				3.	/7/2025 1:28:51PM
		Volatile O	rganics	by EPA 802	21B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
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	7.34		8.00		91.7	70-130			
LCS (2510007-BS1)							Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			
Matrix Spike (2510007-MS1)				Source:	E502293-	24	Prepared: 0	3/03/25 Ana	lyzed: 03/04/25
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.3	70-130			
Matrix Spike Dup (2510007-MSD1)				Source:	E502293-	24	Prepared: 0.	3/03/25 Ana	lyzed: 03/04/25
Benzene	5.32	0.0250	5.00	ND	106	54-133	5.33	20	
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133	5.73	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	5.54	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	5.89	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	5.73	20	
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	5.78	20	
			0.00		00.1	70.130			



70-130

Surrogate: 4-Bromochlorobenzene-PID

7.37

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:28:51PM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers				3/7	/2025 1:28:51PM
	Non	halogenated		Analyst: RAS					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
LCS (2510007-BS2)							Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			
Matrix Spike (2510007-MS2)				Source:	E502293-	24	Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			
Matrix Spike Dup (2510007-MSD2)				Source:	E502293-	24	Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130	9.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:28:51PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					3/7/2025 1:28:51PM
	Nonha		Analyst: AF						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510004-BLK1)							Prepared: 0	3/03/25 Aı	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	61-141			
LCS (2510004-BS1)							Prepared: 0	3/03/25 Aı	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	53.8		50.0		108	61-141			
Matrix Spike (2510004-MS1)				Source:	E502288-	06	Prepared: 0	3/03/25 Aı	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	55.9		50.0		112	61-141			
Matrix Spike Dup (2510004-MSD1)				Source:	E502288-0	06	Prepared: 0	3/03/25 Aı	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	1.88	20	
Surrogate: n-Nonane	58.2		50.0		116	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	C	Boundary Raider 5 Federal #231H 01058-0007 Anna Byers				Reported:		
Artesia NM, 88210		Project Manager	: A						3/7/2025 1:28:51PM	
		Anions	by EPA	300.0/9056	4				Analyst: DT	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2510019-BLK1)	Prepared						Prepared: 03	pared: 03/03/25 Analyzed: 03/03/25		
Chloride	ND	20.0								
LCS (2510019-BS1)							Prepared: 03	3/03/25 A	nalyzed: 03/03/25	
Chloride	251	20.0	250		100	90-110				
Matrix Spike (2510019-MS1)				Source: E502291-02			Prepared: 03	Prepared: 03/03/25 Analyzed: 03/03/25		
Chloride	368	20.0	250	114	102	80-120				
Matrix Spike Dup (2510019-MSD1)				Source: E502291-02				3/03/25 A	nalyzed: 03/03/25	
Chloride	367	20.0	250	114	101	80-120	0.245	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Page1	_of1_

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Page

respection must be received	on ice the day they are sampled or	
	on 6 °C on subsequent days.	,,
Lab Use Only		
YN		
T2 C	<u>T3</u>	
glass, v - VOA		WW-9-1/11-00-1
ent expense. The rep	ort for the analysis of the ab	ove
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E	envir	otec

lient: D	nformation	v Produc	ction Co.	LP I		Bill To		100	2000	12	ah H	se Or	nly	Т		T	AT	EPA P	rogra
	Boundary I				ΔΗ	tention: Jim Raley		Lah	WO#	-			Number	1D	2D	1121	10.01	CWA	SDI
	Manager: A				Ad	dress: 5315 Buena Vista Dr.					2			1	120	100	5 day TAT	CVVA	30
	oject #: 21					y, State, Zip: Carlsbad, NM, 882	20	U	020	.7	7	Ma	58.0007	-	+		July 1747	+	
	13000 W		d 100			one: 575-885-7502		OS SUPE				Analy	sis and Metho	d		1	TOTAL STREET, THE		RO
	te, Zip_Ode				75000	nail: jim.raley@dvn.com		- 0				Τ	I I I	Ť	T	T			
	32-305-64					D: 21483855			8015									State	
	evon-team	001607	ny com			ident ID: nAPP2501341167			y 80								NM CO	UT AZ	Тх
	d by: Halei	gh Blume						ft.)	TPH GRO/DRO/ORO by	y 8021	8260	6010	Chloride 300.0	NM		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GR	BTEX by 8021	VOC by 8260	Metals 6010	Chlorid	BGDOC		GDOC		Remarks	
8:50	02.26.202 5	S	1			PH18	1	4'						х					
		. di				10										-			
ddition	al Instruct	ions:																	
				icity of this sample. I		that tampering with or intentionally misla Sampled by: HB	belling the sample	locati	ion,				es requiring thermal ed packed in ice at a						
elinguish elinguish	ed by:[(Signa	fure)	Date Date	Time Time	100	Received by: (Signature)  Received by: (Signature)	Date Date	15	Time	70	S	Rece	eived on ice:		Lab U Y) N		ily		
-	nelle (	18	ues 2	7257	000	Received by: (s/en/ture)	2.28	.15		12	99	T1		<u>T2</u>			<u>T3</u>	e a minimum	





envirotech Inc.

Printed: 3/3/2025 10:25:19AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/03/25	07:00		Work Order ID:	E502299
Phone:	(575) 748-0176	Date Logged In:	02/28/25			Logged In By:	Noe Soto
Email:		Due Date:				Logged III by.	1100 5010
Chain o  1. Does 1  2. Does 1  3. Were 1  4. Was th  5. Were 2	anna@etechenv.com  f Custody (COC)  the sample ID match the COC?  the number of samples per sampling site location may samples dropped off by client or carrier?  the COC complete, i.e., signatures, dates/times, reque all samples received within holding time?  Note: Analysis, such as pH which should be conducted i i.e., 15 minute hold time, are not included in this disuces.  Turn Around Time (TAT)  e COC indicate standard TAT, or Expedited TAT?  Cooler	sted analyses?	Yes Yes Yes Yes Yes Yes Yes	17:00 (4 day TAT)  Carrier: <u>C</u>	<u>Courier</u>	<u>Comment</u>	s/Resolution
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C  Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
Sample	<u>Container</u>						
	aqueous VOC samples present?		No				
15. Are	VOC samples collected in VOA Vials?		NA				
16. Is the	e 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 1	non-VOC samples collected in the correct containers	:?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
S	bel field sample labels filled out with the minimum inf fample ID? Date/Time Collected? Collectors name?	ormation:	Yes Yes Yes				
Sample	<b>Preservation</b>						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are s	sample(s) correctly preserved?		NA				
24. Is lab	o filteration required and/or requested for dissolved i	netals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If ye	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
28. Are s	ract Laboratory samples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and i	-	No NA	Subcontract Lab	: NA		
Client I	nstruction						

Date

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

Report to:
Anna Byers







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: Boundary Raider 5 Federal #231H

Work Order: E502296

Job Number: 01058-0007

Received: 3/3/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/11/25

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

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

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

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

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

Date Reported: 3/11/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502296

Date Received: 3/3/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2025 7:00:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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# **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH06 6'	5
QC Summary Data	6
QC - Volatile Organic Compounds by EPA8260B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

## Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:	
6488 7 Rivers Hwy	Project Number:	01058-0007	reporteu:	
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 09:49	

Client Sample ID	Lab Sample ID Mat	trix Sampled	Received	Container
PH06 6'	E502296-01A So	oil 02/26/2	5 03/03/25	Glass Jar, 2 oz.



# Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/11/2025 9:49:27AM

#### PH06 6' E502296-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2510023
Benzene	ND	0.0250	1		03/03/25	03/05/25	
Ethylbenzene	ND	0.0250	1		03/03/25	03/05/25	
Toluene	ND	0.0250	1		03/03/25	03/05/25	
o-Xylene	ND	0.0250	1		03/03/25	03/05/25	
p,m-Xylene	ND	0.0500	1	l	03/03/25	03/05/25	
Total Xylenes	ND	0.0250	1	ļ	03/03/25	03/05/25	
Surrogate: Bromofluorobenzene		100 %	70-130		03/03/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		03/03/25	03/05/25	
Surrogate: Toluene-d8		103 %	70-130		03/03/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2510023
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/03/25	03/05/25	
Surrogate: Bromofluorobenzene		100 %	70-130		03/03/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		03/03/25	03/05/25	
Surrogate: Toluene-d8		103 %	70-130		03/03/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1		03/03/25	03/04/25	_
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	03/03/25	03/04/25	
Surrogate: n-Nonane		110 %	61-141		03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2510019
Chloride	118	20.0	1		03/03/25	03/03/25	·



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

#### **QC Summary Data**

Devon Energy - Carlsbad Boundary Raider 5 Federal #231H Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 3/11/2025 9:49:27AM Volatile Organic Compounds by EPA 8260B Analyst: RAS Source Reporting Spike Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2510023-BLK1) Prepared: 03/03/25 Analyzed: 03/04/25 ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.505 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.499 0.500 99.7 70-130 0.500 106 70-130 Surrogate: Toluene-d8 0.530 LCS (2510023-BS1) Prepared: 03/03/25 Analyzed: 03/04/25 2.51 0.0250 2.50 100 70-130 Benzene 2.50 105 70-130 2.62 0.0250 Ethylbenzene 2.68 0.0250 2.50 107 70-130 2.80 2.50 112 70-130 o-Xylene 0.0250 5.56 5.00 111 70-130 p,m-Xylene 0.0500 8.36 0.0250 7.50 112 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.511 0.500 102 70-130 0.500 99.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.495 Surrogate: Toluene-d8 0.500 70-130 0.520 Matrix Spike (2510023-MS1) Source: E502294-05 Prepared: 03/03/25 Analyzed: 03/04/25

Surrogate: Toluene-d8	0.519		0.500		104	70-130					
Matrix Spike Dup (2510023-MSD1)				Source:	Source: E502294-05			Prepared: 03/03/25 Analyzed: 03/04/25			
Benzene	2.59	0.0250	2.50	ND	104	48-131	1.66	23			
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135	2.66	27			
Toluene	2.78	0.0250	2.50	ND	111	48-130	2.07	24			
o-Xylene	2.92	0.0250	2.50	ND	117	43-135	2.32	27			
p,m-Xylene	5.78	0.0500	5.00	ND	116	43-135	2.21	27			
Total Xylenes	8.70	0.0250	7.50	ND	116	43-135	2.25	27			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130					
Surrogate: Toluene-d8	0.526		0.500		105	70-130					

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

ND

ND

ND

ND

ND

ND

102

106

109

114

113

113

103

96.9

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

2.55

2.66

2.72

2.86

5.65

8.51

0.517

0.485

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

 ${\it Surrogate: Bromofluor obenzene}$ 

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

## **QC Summary Data**

Boundary Raider 5 Federal #231H Devon Energy - Carlsbad Project Name: Reported:

6488 7 Rivers Hwy		Project Number:		058-0007					
Artesia NM, 88210		Project Manager:	Ar	nna Byers				3	/11/2025 9:49:27A
	Non	halogenated C	Organics l	by EPA 80	15D - Gl	RO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510023-BLK1)							Prepared: 03	3/03/25 An	alyzed: 03/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS (2510023-BS2)							Prepared: 03	3/03/25 An	alyzed: 03/06/25
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike (2510023-MS2)				Source:	E502294-	05	Prepared: 03	3/03/25 An	alyzed: 03/06/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	97.9	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
Matrix Spike Dup (2510023-MSD2)				Source:	E502294-	05	Prepared: 03	3/03/25 An	alyzed: 03/06/25
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130	6.18	20	

0.500

0.500

0.500

0.523

0.491

0.532

105

98.2

106

70-130

70-130

70-130



Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	3/11/2025 9:49:27AM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					3/11/2025 9:49:27AN
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510010-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			
LCS (2510010-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	51.4		50.0		103	61-141			
Matrix Spike (2510010-MS1)				Source:	E502291-	03	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	53.4		50.0		107	61-141			
Matrix Spike Dup (2510010-MSD1)				Source:	E502291-	03	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	0.707	20	
Surrogate: n-Nonane	53.7		50.0		107	61-141			

Chloride

#### **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number		oundary Raid 1058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager		nna Byers					3/11/2025 9:49:27AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510019-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	ND	20.0							
LCS (2510019-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2510019-MS1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	368	20.0	250	114	102	80-120			
Matrix Spike Dup (2510019-MSD1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25

250

20.0

80-120

0.245

#### 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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 09:49

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.



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roject:	Boundary		Lab	WO	#		Job I	Num	ber	1D	2D	3D	Standard	CWA	SDWA				
roject N		E	50	79	110	ME	K9	3.0007				5 day TAT							
All Alexanders and	oject #: 21				City, State, Zip: Carlsbad, NM, 882	220	-	·	0	w	0,0	١رر	, 00,						
ddress:	13000 W	County	Rd 100		Phone: 575-885-7502			10			Analy	sis ar	nd Metho	d					RCRA
ity, Stat	e, Zip_Od	essa,TX,	79765		Email: jim.raley@dvn.com												and the same of th		
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ollected	by: Hale	gh Blum	e				l F	8	/ 80	826	601	e 30				¥	×		
Time	Date	Matrix	No. of	Sample ID		Lab	Depth(ft.)	FPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
Sampled	Sampled	William	Containers	Sample 18		Number	Dep	ם	BTE	Š	Ne Me	3		BG		G		Remark	,
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		e e e e e e e e e e e e e e e e e e e		may be grounds for		naceming the same	pic io				A complete of		Contraction of the second				ess than 6 °C on sub	A CONTRACTOR OF THE PARTY OF TH	************
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					d unless other arrangements are made. Hazard									client	expen	se. Th	ne report for the	analysis o	f the above
mples is	applicable o	nly to thos	se samples	received by the la	boratory with this COC. The liability of the labor	ratory is limited	to th	e amo	ount p	aid fo	r on th	e rep	ort.						



envirotech Inc.

Printed: 3/3/2025 10:19:44AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/03/25 07	7:00	v	Vork Order ID:	E502296
Phone:	(575) 748-0176	Date Logged In:	02/28/25 16	5:58	I	ogged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	03/07/25 17	7:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Courier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Visible white	eout on CO	C.
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		temperature. 1	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab							
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	·			
	ollectors name?		Yes				
	reservation	10					
	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved? filteration required and/or requested for dissolved m	- oto1a9	NA				
	i i	iciais:	No				
	se Sample Matrix	0					
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	f so who?	NA S	Subcontract Lab	o: NA		
Client In	astruction_						

Date

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

Project Information

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	oject #: 21					City, State, Zip: Carlsbad, NM, 8822	20	-	W	V	W	OIC	20	·w			77				
Address:	13000 W	County I	Rd 100			Phone: 575-885-7502						Analys	is an	d Metho	d		KEE				RCRA
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envirotech

Report to:
Anna Byers





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: Boundary Raider 5 Federal #231H

Work Order: E502298

Job Number: 01058-0007

Received: 3/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/25

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

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

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

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

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

Date Reported: 3/7/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502298

Date Received: 3/3/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2025 7:00:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

**Laboratory Administrator** Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

# **Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH14 4'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

## **Sample Summary**

ſ	Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Donoutoda
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH14 4'	E502298-01A	Soil	02/26/25	03/03/25	Glass Jar, 2 oz.



# Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:27:30PM

#### PH14 4' E502298-01

		E302270-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2510004
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		115 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	



		QC 5	umm	ary Dat	a				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	oundary Raid 1058-0007 Inna Byers	er 5 Federa	al #231H			<b>Reported:</b> 3/7/2025 1:27:30PM
7110014 1111, 00210					)1D				
		voiatile O	rganics	by EPA 802	21B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
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	7.34		8.00		91.7	70-130			
LCS (2510007-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
Coluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
o,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			
Matrix Spike (2510007-MS1)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.3	70-130			
Matrix Spike Dup (2510007-MSD1)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	5.32	0.0250	5.00	ND	106	54-133	5.33	20	
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133	5.73	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	5.54	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	5.89	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	5.73	20	
Total Xylenes	16.0	0.0250	15.0	ND	107	63-131	5.78	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			
-									



Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:27:30PM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers				3/7	/2025 1:27:30PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		A	.nalyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
LCS (2510007-BS2)							Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			
Matrix Spike (2510007-MS2)				Source:	E502293-	24	Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			
Matrix Spike Dup (2510007-MSD2)				Source:	E502293-	24	Prepared: 0	3/03/25 Analy	zed: 03/04/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130	9.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:27:30PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					3/7/2025 1:27:30PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510004-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	61-141			
LCS (2510004-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	256	25.0	250		103	66-144			
Surrogate: n-Nonane	53.8		50.0		108	61-141			
Matrix Spike (2510004-MS1)				Source:	E502288-	06	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	55.9		50.0		112	61-141			
Matrix Spike Dup (2510004-MSD1)				Source:	E502288-0	06	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156	1.88	20	
Surrogate: n-Nonane	58.2		50.0		116	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 11058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager:	. A	Anna Byers					3/7/2025 1:27:30PM
		Anions	by EPA	300.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510019-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	ND	20.0							
LCS (2510019-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2510019-MS1)				Source:	E502291-	02	Prepared: 03	3/03/25 A	nalyzed: 03/03/25
Chloride	368	20.0	250	114	102	80-120			
Matrix Spike Dup (2510019-MSD1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	367	20.0	250	114	101	80-120	0.245	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:27

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.



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n must be received on ice the day they are sampled or	
above 0 but less than 6 °C on subsequent days.	
Use Only	
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	Boundary F				Δ+				WO#	_			lumber	10	2D	3D	Standard	CWA	SDV
	/Janager: A			23111	Ad	dress: 5315 Buena Vista Dr.		Lab	VVOH	-				10	120	30	5 day TAT	CVVA	300
	oject #: 21		-			y, State, Zip: Carlsbad, NM, 88	220	10	020	29	8	010	580007	$\vdash$	+	$\vdash$	July 1741		
	13000 W		d 100			one: 575-885-7502						Analy	sis and Metho	d			IS STATE OF THE PARTY OF THE PA		RC
	te, Zip_Ode				27/20/2012	nail: jim.raley@dvn.com						T T	J I	Ť	T	П			1,,,
	32-305-64		3,03		Sales and Sales	O: 21483855		-	115								-	State	
	evon-team	13122	ny com		72 10 100	cident ID: nAPP2501341167		-	y 80								NMI CO	UT AZ	TX
Collected	d by: Haleig			-				(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	DC NM		¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	Depth(ft.)	TPH GF	втехь	VOCb	Metals	Chloric	BGDOC		CDOC		Remarks	i
8:28	02.26.202 5	S	1			PH14	1	4'						х					
	al Instruct											Ia i							
ate or time		s considered		may be grounds for le			labelling the samp	e locat	Time			12	s requiring thermal d packed in ice at an	avg te	mp abo		ess than 6 °C on su		
PPA	Uly 4	Dery	Date	1202 17	00	Received by: (Signature)  Received by (Signature)	es 227	25		100		Rece	ived on ice: (	S	)/ N		,		
	ed by: (Signa		Date		600	Received by: (Signature)	7.20	3.13	Time	10	00	<u>T1</u>		<u>T2</u>			<u>T3</u>		





Page 208 of 241

Printed: 3/3/2025 10:23:46AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/03/25	07:00	Work Order ID:	E502298
Phone:	(575) 748-0176	Date Logged In:	02/28/25	17:08	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	03/07/25	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	e number of samples per sampling site location ma	tch the COC	Yes			
	imples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	Current <u>Courrent</u>		
	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	1 the field,	Yes		<u>Commen</u>	s/Resolution
Sample T	urn Around Time (TAT)					
_	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	•					
	ample cooler received?		Yes			
	vas cooler received in good condition?		Yes			
9. Was the	sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
• •	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling		NA Yes			
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
Sample C	<u>ontainer</u>					
14. Are ac	ueous VOC samples present?		No			
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes			
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lab						
	field sample labels filled out with the minimum info	ormation:				
	imple ID?		Yes			
	ate/Time Collected? ollectors name?		Yes			
	reservation		Yes			
	he COC or field labels indicate the samples were p	reserved?	No			
	mple(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
	se Sample Matrix					
	he sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
		yzea.	INA			
	act Laboratory		3.7			
	mples required to get sent to a subcontract laborato	•	No			
29. was a	subcontract laboratory specified by the client and i	r so wno?	NA	Subcontract Lab: NA		
Client In	<u>struction</u>					
1						

Date

Report to:
Anna Byers







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: Boundary Raider 5 Federal #231H

Work Order: E502297

Job Number: 01058-0007

Received: 3/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/25

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

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

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

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

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

Date Reported: 3/7/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 5 Federal #231H

Workorder: E502297

Date Received: 3/3/2025 7:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2025 7:00:00AM, under the Project Name: Boundary Raider 5 Federal #231H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 5 Federal #231H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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

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Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH07 1'	5
PH08 1'	6
PH09 1'	7
PH10 1'	8
PH11 1'	9
PH12 1'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

## Sample Summary

Devon Energy - Carlsbad	Project Name: Boundary Raider 5 Federal #231H			
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:	
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:26	

Client Sample ID	Lab Sample ID Matri	x Sampled	Received	Container
PH07 1'	E502297-01A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH08 1'	E502297-02A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH09 1'	E502297-03A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH10 1'	E502297-04A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH11 1'	E502297-05A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.
PH12 1'	E502297-06A Soil	02/26/25	03/03/25	Glass Jar, 2 oz.



# Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

#### PH07 1' E502297-01

	E302297-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: RAS		Batch: 2510007
ND	0.0250	1	03/03/25	03/04/25	
ND	0.0250	1	03/03/25	03/04/25	
ND	0.0250	1	03/03/25	03/04/25	
ND	0.0250	1	03/03/25	03/04/25	
ND	0.0500	1	03/03/25	03/04/25	
ND	0.0250	1	03/03/25	03/04/25	
	93.5 %	70-130	03/03/25	03/04/25	
mg/kg	mg/kg	Analy	st: RAS		Batch: 2510007
ND	20.0	1	03/03/25	03/04/25	
	92.3 %	70-130	03/03/25	03/04/25	
mg/kg	mg/kg	Analy	st: NV		Batch: 2510010
ND	25.0	1	03/03/25	03/04/25	
ND	50.0	1	03/03/25	03/04/25	
	111 %	61-141	03/03/25	03/04/25	
mg/kg	mg/kg	Analy	st: DT		Batch: 2510019
167	20.0	1	03/03/25	03/03/25	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           Mg/kg         mg/kg           ND         20.0           92.3 %         mg/kg           ND         25.0           ND         50.0           111 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           93.5 %         70-130         70-130           mg/kg         mg/kg         Analy           ND         20.0         1           Mg/kg         Mg/kg         Analy           ND         25.0         1           ND         50.0         1           111 %         61-141         61-141           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RAS           ND         0.0250         1         03/03/25           ND         0.0250         1         03/03/25           ND         0.0250         1         03/03/25           ND         0.0250         1         03/03/25           ND         0.0500         1         03/03/25           ND         0.0250         1         03/03/25           mg/kg         Malyst: RAS           ND         20.0         1         03/03/25           mg/kg         Analyst: NV           ND         25.0         1         03/03/25           ND         50.0         1         03/03/25           ND         50.0         1         03/03/25           ND         50.0         1         03/03/25           ND         50.0         1         03/03/25           mg/kg         Mg/kg         Analyst: DT	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RAS           ND         0.0250         1         03/03/25         03/04/25           ND         0.0500         1         03/03/25         03/04/25           ND         0.0250         1         03/03/25         03/04/25           MD         0.0250         1         03/03/25         03/04/25           Mg/kg         Mg/kg         Analyst: RAS           ND         20.0         1         03/03/25         03/04/25           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         03/03/25         03/04/25           ND         50.0         1         03/03/25         03/04/25           ND         50.0         1         03/03/25         03/04/25           ND         50.0         1         03/03/25 </td

# **Sample Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

#### PH08 1'

		E502297-02				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		110 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2510019
Chloride	72.0	20.0	1	03/03/25	03/03/25	



# **Sample Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

#### PH09 1'

		E502297-03				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: NV		Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		109 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	



# **Sample Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

#### PH10 1'

		E502297-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		112 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2510019
Chloride	ND	20.0	1	03/03/25	03/03/25	



## **Sample Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

## PH11 1'

		E502297-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		97.4 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		114 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2510019
Chloride	172	20.0	1	03/03/25	03/03/25	



## **Sample Data**

Devon Energy - Carlsbad	Project Name:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

## PH12 1'

		E502297-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2510007
Benzene	ND	0.0250	1	03/03/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/03/25	03/04/25	
Toluene	ND	0.0250	1	03/03/25	03/04/25	
o-Xylene	ND	0.0250	1	03/03/25	03/04/25	
o,m-Xylene	ND	0.0500	1	03/03/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/03/25	03/04/25	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2510007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/25	03/04/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	03/03/25	03/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2510010
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/25	03/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/25	03/04/25	
Surrogate: n-Nonane		105 %	61-141	03/03/25	03/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2510019
Chloride	149	20.0	1	03/03/25	03/03/25	



## **OC Summary Data**

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Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raid	er 5 Federa	al #231H			Reported:
Artesia NM, 88210		Project Manager:		Anna Byers					3/7/2025 1:26:10PM
		Volatile O	rganics	by EPA 802	21B				Analyst: RAS
Analyte		Reporting	Spike	Source		Rec		RPD	
•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
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	7.34		8.00		91.7	70-130			
LCS (2510007-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
o,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.30		8.00		91.3	70-130			
Matrix Spike (2510007-MS1)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
p-Xylene	4.97	0.0250	5.00	ND	99.3	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.3	70-130			
Matrix Spike Dup (2510007-MSD1)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Benzene	5.32	0.0250	5.00	ND	106	54-133	5.33	20	
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133	5.73	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	5.54	20	
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	5.89	20	
p,m-Xylene	10.7 16.0	0.0500	10.0	ND ND	107	63-131 63-131	5.73 5.78	20 20	



Surrogate: 4-Bromochlorobenzene-PID

7.37

92.1

70-130

## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

Artesia NM, 88210		Project Manage	r: Aı	nna Byers					3/7/2025 1:26:10PM
	Nor	nhalogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2510007-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Gasoline Range Organics (C6-C10)	ND	20.0					1 -		<u>,                                    </u>
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			
LCS (2510007-BS2)							Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			-
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			
Matrix Spike (2510007-MS2)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			
Matrix Spike Dup (2510007-MSD2)				Source:	E502293-	24	Prepared: 0	3/03/25 A	nalyzed: 03/04/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	89.9	70-130	9.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			



## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Boundary Raider 5 Federal #231H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	3/7/2025 1:26:10PM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					3/7/2025 1:26:10PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	ORO/			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510010-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			
LCS (2510010-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	253	25.0	250		101	66-144			
Surrogate: n-Nonane	51.4		50.0		103	61-141			
Matrix Spike (2510010-MS1)				Source:	E502291-	03	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156			
Surrogate: n-Nonane	53.4		50.0		107	61-141			
Matrix Spike Dup (2510010-MSD1)				Source:	E502291-	03	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	56-156	0.707	20	
Surrogate: n-Nonane	53.7		50.0		107	61-141			



## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 1058-0007	er 5 Federa	1#231H			Reported:
Artesia NM, 88210		Project Manager	: A	Anna Byers					3/7/2025 1:26:10PM
		Anions	by EPA	300.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2510019-BLK1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	ND	20.0							
LCS (2510019-BS1)							Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2510019-MS1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	368	20.0	250	114	102	80-120			
Matrix Spike Dup (2510019-MSD1)				Source:	E502291-	02	Prepared: 0	3/03/25 A	nalyzed: 03/03/25
Chloride	367	20.0	250	114	101	80-120	0.245	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:	Boundary Raider 5 Federal #231H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	03/07/25 13:26

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.



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Client: Devon Energy Production Co, LP			ction Co,	LP	Bill To				La	ab Us	se Only TAT EI		EPA P	rogram					
Project: Boundary Raider 5 Federal #231H				231H	Attention: Jim Raley			Lab WO#			Job Number		1D 2D		3D Standard		CWA	SDWA	
Project N	/lanager: A	nna Byer	rs	1	Address: 5315 Buena Vista Dr.			E502297			01058,0007				1	5 day TAT			
Etech Project #: 21689					City, State, Zip: Carlsbad, NM, 88220		-	00	01	1	OIL	00	<u> </u>						
Address:	13000 W	County R	d 100		Phone: 575-885-7502						Analysis and Method			d			articles of	Ten .	RCRA
City, Stat	e, Zip_Ode	essa,TX, 7	79765		Email: jim.raley@dvn.com		1	TE											
	32-305-64				WO: 21483855	71.	1	015		-							1 - 7 6 4	State	
	evon-team		env.com		Incident ID: nAPP2501341167		1 1	by 8			1 1						NM CO	UT AZ	TX
								RO RO								1			
-								0/0	1	_		0.		Σ					
Collected	d by: Halei	gh Blume	2				-	TPH GRO/DRO/ORO by 8015	8021	VOC by 8260	010	Chloride 300.0				¥	×		
Time	Date		No. of			Lab	th(ft	GRC	x by	py.	als 6	ride		верос		20		D	
Sampled	Sampled	Matrix	Containers	Sample ID		Number	Depth(ft.	TPH	втех ьу	00	Metals 6010	Cho		BGI		GDOC		Remarks	
0.20	02.26.202		-		01107	1	1'	11111						١.,					
9:20	5	S	1		PH07		1							Х					
0.25	02.26.202	c	1		PH08	0	1'				0			\ \ \					
9:25	5	S	1		PHU8	2	1							X					
11:05	02.26.202	S	1		PH09	3	1'							x					
11.05	5	3	a. <del>t.</del>		F1103	5	1							^					
12:15	02.26.202	S	1		PH10	4	1'							х					
12.13	5	J				9								_^					
13:05	02.26.202	S	1		PH11	5	1'							x			- 1		
15.05	5								_						-				
13:50	02.26.202	S	1		PH12	1.	1'						-	x					
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				-															
				100															
Addition	nal Instruc	tions:												-	-				
I, (field sam	pler), attest to	the validity	and authen	ticity of this sample. I	am aware that tampering with or intentionally misla	abelling the samp	le locat	ion,			100		8				eceived on ice the da		pled or
date or tim	e of collection	is considere	d fraud and	may be grounds for le	gal action. Sampled by: HB				18		receive	ed packe	ed in ice at ar	avg te	mp abo	ve 0 but	less than 6 °C on su	bsequent days.	
Relinquish	ned by: (\$igna	ajuret	Date	Time	Received by: (Signature)	Date		Time	74	_						se On	ly		
	(leght o	IVV	meld	120hot/	On whichelle down	es J.27.	72	ı	70	O	Rece	eived	on ice:	(Y	N				
Relinquish	ned by: (Sign	ature)	Date Date	Time	Received by: (Signature)	Date		Time											
Vict	refle G	Jonza	168 %.	28:25 11	200 , 4. 4.	2.28	.25		170	20	<u>T1</u>			<u>T2</u>			<u>T3</u>		
Relinquish	ned by://Signa	ature)	Date	Ime	Received by: (Signature)	Date		Time	-	,				4					
	(1.)	4.	17	7.8.28 2	400 Culto	536	25	1	E	/	AVG	Tem	p °C	(	- William	Alle S			
Sample Ma	trix: S - Soil, So	- Solid, Sg -	Sludge, A -	Aqueous, <b>O</b> - Other	The second secon	Containe	r Туре	e: g - g	glass,	<b>p</b> - p	oly/pl	astic,	ag - amb	er gla	ss, v	- VOA			
					unless other arrangements are made. Hazard	dous samples w	ill be i	return	ed to	client	or dis	posed	of at the				e report for the	analysis of	the above
samples is	annlicable o	only to the	ca camplac	received by the lah	oratory with this COC. The liability of the Jaho	ratory is limited	to th	a amo	unt n	aid for	r on th	a ran	ort						





Page 225 of 241

envirotech Inc.

Printed: 3/3/2025 10:21:59AM

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/03/25	07:00		Work Order ID:	E502297
Phone:	(575) 748-0176	Date Logged In:	02/28/25	17:03		Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	03/07/25	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	Custody (COC)		Vos				
	he sample ID match the COC? he number of samples per sampling site location mate	sh the COC	Yes				
	amples dropped off by client or carrier?	in the COC	Yes	a			
	e COC complete, i.e., signatures, dates/times, request	tad analyzas?	Yes Yes	Carrier: <u>C</u>	<u>courier</u>		
	Il samples received within holding time?	ied alialyses!	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		105			Comment	s/Resolution
Sample 1	Turn Around Time (TAT)						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	Yes				
	Container	iomperature. 1	<u> </u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		ers conected:	105				
	field sample labels filled out with the minimum infor	mation:					
	ample ID?	mation.	Yes				
	Pate/Time Collected?		Yes	l			
C	follectors name?		Yes				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pro-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	e?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	ract Laboratory						
	amples required to get sent to a subcontract laborator	v9	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	NIA		
		so who.	1171	Subcontract Lab	, 11A		
Client II	<u>nstruction</u>						

Date

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

## **APPENDIX G**

Correspondance & Notifications

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



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 424179

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	424179
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites				
Incident ID (n#)	nAPP2501341167			
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068			
Incident Type	Oil Release			
Incident Status	Initial C-141 Approved			
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H			

Location of Release Source					
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H				
Date Release Discovered	01/12/2025				
Surface Owner	Federal				

Sampling Event General Information						
Please answer all the questions in this group.						
What is the sampling surface area in square feet	15,863					
What is the estimated number of samples that will be gathered	80					
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025					
Time sampling will commence	07:00 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 Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603, -103.7018)					

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 424179

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	424179
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By		Condition Date
jraley	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.	1/23/2025

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 431372

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	431372
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites					
Incident ID (n#)	nAPP2501341167				
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068				
Incident Type	Oil Release				
Incident Status	Initial C-141 Approved				
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H				

Location of Release Source					
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H				
Date Release Discovered	01/12/2025				
Surface Owner	Federal				

Sampling Event General Information						
Please answer all the questions in this group.						
What is the sampling surface area in square feet	15,863					
What is the estimated number of samples that will be gathered	25					
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/18/2025					
Time sampling will commence	07:00 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 Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018)					

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 431372

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	431372
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	Condition	Condition Date
jraley	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.	2/12/2025

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 433857

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	433857
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	15,863	
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	02/26/2025	
Time sampling will commence	07:00 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 Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018).	

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

CONDITIONS

Action 433857

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	433857
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By		Condition Date
jraley	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.	2/20/2025

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 447372

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	447372
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source	
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H
Date Release Discovered	01/12/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	15,863
What is the estimated number of samples that will be gathered	90
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2025
Time sampling will commence	07:00 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 Red Rd and Mills Ranch Rd head East for approximately 0.4 mi, continue straight on Mills Ranch Rd for 1.9 mi to arrive at the Boundary Raider 5 Federal #231H (32.32603,-103.7018)

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

CONDITIONS

Action 447372

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	447372
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Cre By	eated		Condition Date
jr	aley	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.	3/31/2025

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 451763

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Prerequisites	
Incident ID (n#)	nAPP2501341167
Incident Name	NAPP2501341167 BOUNDARY RAIDER 5 FEDERAL #231H @ 30-025-45068
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-45068] BOUNDARY RAIDER 5 FEDERAL #231H

Location of Release Source		
Please answer all the questions in this group.		
Site Name	BOUNDARY RAIDER 5 FEDERAL #231H	
Date Release Discovered	01/12/2025	
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   Well   Crude Oil   Released: 10 BBL   Recovered: 9 BBL   Lost: 1 BBL.	
Produced Water Released (bbls) Details	Cause: Equipment Failure   Well   Produced Water   Released: 26 BBL   Recovered: 24 BBL   Lost: 2 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
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)	Packing leak on wellhead allowed release of approx 36 bbls to pad surface. Majority of fluids recovered. No impacts offsite.	

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 451763

QUESTI	ONS (continued)
Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 451763 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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/15/2025

Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us QUESTIONS, Page 3

Action 451763

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

**State of New Mexico** 

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

## QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
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	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	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	Yes	

Remediation Plan		
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.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	sociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	0	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	18800	
BTEX (EPA SW-846 Method 8021B or 8260B)	4.1	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	07/31/2025	
On what date will (or did) the final sampling or liner inspection occur	08/31/2025	
On what date will (or was) the remediation complete(d)	08/31/2025	
What is the estimated surface area (in square feet) that will be reclaimed	5450	
What is the estimated volume (in cubic yards) that will be reclaimed	101	
What is the estimated surface area (in square feet) that will be remediated	11854	
What is the estimated volume (in cubic yards) that will be remediated	286	
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.		

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.

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 4

Action 451763

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	
D 0 1 " D (40 45 00 44 NAAO 1 " " 1 1 1 1 " " 1 1 1 1 1 1 1 1 1 1	T	

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

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

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 04/15/2025

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.

General Information Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 451763

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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

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 6

Action 451763

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Sampling Event Information		
Last sampling notification (C-141N) recorded	447372	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2025	
What was the (estimated) number of samples that were to be gathered	90	
What was the sampling surface area in square feet	15863	

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

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 451763

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451763
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following condition: Under the Site Characterization portion of the C-141 application update the minimum distance to the following upon resubmission: any playa lake (1-5 miles E or W). Submit report to the OCD by 8/5/25.	5/7/2025