# **E N S O L U M**

April 14, 2025

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

Re: Closure Request Boundary Raider 7 CTB 2 Incident Number nAPP2433853476 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* summarizing the response efforts and a liner integrity inspection performed at the Boundary Raider 7 CTB 2 (Site) in Unit A, Section 18, Township 23 South, Range 32 East, in Lea County, New Mexico (Figure 1). The purpose of the liner integrity inspection was to determine if the lined secondary containment was capable of containing a produced release on December 3, 2024, and whether impacts to soil in areas immediately surrounding the containment liner were present or absent. Based on field observations during the liner integrity inspection, Devon is submitting this *Closure* Request for Incident Number nAPP2433853476.

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Lea County, New Mexico (32.31447°, -103.709129°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 3, 2024, a discharge line from water transfer pump failed, which resulted in the release of 8 barrels (bbls) of produced water inside the lined secondary containment and onto the pad surface. A vacuum truck successfully recovered 2 bbls of produced water. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on December 3, 2024, and the release was assigned Incident Number nAPP2433853476. A 48-hour advance notice of liner inspection was provided via web portal to the NMOCD on December 18, 2024. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery and upon inspection, the liner was determined to be intact and had the ability to contain the release in question.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-04815 POD1 with a depth to water measurement greater than 55 feet

Boundary Raider 7 CTB 2

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below ground surface (bgs). The well was a soil boring drilled to assess depth to groundwater beneath the Site and was advanced approximately 2,649 feet east of the spill area and measured on April 25, 2024, following more than 72 hours of waiting after drilling activities to allow the boring to stabilize in the event slow infill of groundwater needed time to flow in. All wells used for depth to groundwater determinations are depicted on Figure 1 and the referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 3 miles northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

### SITE ASSESSMENT ACTIVITIES

On December 05, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

### LINER INTEGRITY INSPECTION AND DELEINATION SOIL SAMPLING ACTIVITES

On December 18, 2024, Ensolum personnel arrived onsite to visually inspect the integrity of the secondary containment liner and to conduct delineation sampling activities. A 48-hour liner inspection notification was submitted to NMOCD on December 16, 2024. Ensolum personnel competent in performing liner inspections, determined the liner to be intact and had the ability to contain the release in question. Ten discrete delineation soil samples (SS01 through SS10) were collected around the overspray area and the tank battery containment at ground surface to verify the lateral extent of the release. Delineation soil samples were field screened for chloride and TPH utilizing QuanTab<sup>®</sup> chloride test strips and a PetroFLAG<sup>®</sup> Soil Analyzer System, respectively. The delineation sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 2. Photographs taken during the liner integrity inspection and delineation sampling activities are included in Appendix B.

On January 19, 2025, Ensolum returned to the Site to advance one borehole (BH02) on the northwest side of the release extent. Borehole BH02 was advanced via tracked sonic drill to a depth of 25 feet bgs. Discrete delineation soil samples were collected from the ground surface to 25 feet bgs and field screened for chloride and TPH. Field screening results and observations from the borehole were logged on lithologic/soil sampling log, and are included in Appendix C.

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All delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

### **EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES**

Beginning on February 26, 2025, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a backhoe, hand digging, and belly dump trucks. The excavation occurred on the northwest side of the secondary lined containment. To direct excavation activities, Ensolum personnel screened soil for chloride and for TPH.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the scrape. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS31) were collected from the floor of the at depths ranging from 0.5 feet to 1.5 feet bgs and sidewall soil samples (SW01 and SW02) were collected from the outside walls of the excavation and against the lined tank containment at depths ranging from ground surface to 1-foot bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 5,369 square feet. A total of approximately 340 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land, LLC Disposal Hobbs, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 though SS10), collected at ground surface, indicated all COC concentrations were in compliance with strictest Closure Criteria per NMOCD Table I and with the Site Closure Criteria. Laboratory analytical results from boreholes BH01 through BH04 indicated all COC concentrations were all in compliance with the Site Closure Criteria at 1-foot bgs. Laboratory analytical results from boreholes BH01 at 7 feet bgs, BH02 at 25 feet bgs and BH03 and BH04 at 4 feet bgs indicated all COC concentrations were all in compliance with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included in Appendix D.

### **CLOSURE REQUEST**

Following a liner integrity inspection at the Site, it was determined the release was contained by the lined secondary containment. The release extent outside of containment has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples SS01 through SS10, collected at ground surface, and vertically by boreholes BH01 through BH04, collected at depths ranging from 4 feet bgs to 25 feet bgs. Excavation of impacted soil on-pad was completed, and excavation floor samples FS01 through FS31, collected at depths ranging from 0.5 to 1.5 feet bgs, were all in compliance with the Site Closure Criteria. Sidewall soil samples SW01 and SW02, collected at depths ranging from ground surface to 1-foot bgs, indicated any contaminates beneath the secondary lined containment do not exceed Site Closure Criteria. Remedial actions completed at the Site following the December 2024

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produced water release appear to have been protective of human health, the environment, and groundwater. Based on initial response efforts, and a reported depth to groundwater of greater than 55 feet bgs, Devon respectfully requests closure for Incident Number nAPP2433853476.

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

Sincerely, **Ensolum, LLC** 

Ashley Giovengo Senior Scientist

Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Confirmation Soil Sample Locations
- Table 1Soil Sample Analytical Results (Delineation Soil Samples)
- Table 2
   Soil Sample Analytical Results (Confirmation Soil Samples)
- Table 3Soil Sample Analytical Results (Sidewall Soil Samples)
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Lithologic Soil Sampling Logs
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Notifications



# **FIGURES**

Received by OCD: 4/14/2025 2:15:40 PM



Received by OCD: 4/14/2025 2.15.40 PM



Received by OCD: 4/14/2025 2:15:40 PM

**FIGURE** 

3



# ENSOLUM Environmental, Engineering and Hydrogeologic Consultants

Confirmation Soil Sample Location Devon Energy Production Company, LP

Boundary Raider 7 CTB 2 Incident Number: nAPP2433853476 Unit A, Section 18, T 23S, R 32E Lea County, New Mexico



# TABLES

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	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         Boundary Raider 7 CTB 2         Devon Energy Production Company, LP         Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000			
				Delin	eation Soil San	nples	•						
SS01	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174			
SS02	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	186			
SS03	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.0			
SS04	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.5			
SS05	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118			
SS06	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.8			
SS07	12/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0			
SS08	2/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0			
SS09	2/26/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0			
SS10	2/26/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.6			
BH01	12/18/2024	0	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26,300			
BH01	12/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,420			
BH01	12/18/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200			
BH01	12/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,170			
BH01	12/19/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36			
BH02	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,700			
BH02	12/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680			
BH02	12/18/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,280			
BH02	12/18/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,280			
BH02	12/19/2024	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,160			
BH02	12/19/2024	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,010			
BH02	12/19/2024	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,920			
BH02	12/19/2024	13	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,440			
BH02	12/19/2024	15	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,580			
BH02	12/19/2024	17	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,290			
BH02	1/29/2025	20	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,990			
BH02 BH02	1/29/2025 1/29/2025	23.5 25	<0.0250 <0.0250	<0.0500 <0.0500	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<25.0 <25.0	<50.0 <50.0	1,450 91.4			
BHU2	1/29/2025	25	<u>&lt;0.0250</u>	<0.0500	<20.0	<25.U	<0U.U	<25.U	<50.0	91.4			



	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS - Continued         Boundary Raider 7 CTB 2         Devon Energy Production Company, LP         Lea County, New Mexico													
Sample Designation	. Date .													
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29)         10         50         NE         NE         NE         1,000         2,500         10,000													
				Delir	eation Soil San	nples	1							
BH03	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21,700				
BH03	12/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,100				
BH03	12/18/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54				
BH03	12/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86				
BH04	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	19,200				
BH04	12/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,050				
BH04	12/18/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	265				
BH04	12/19/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44				

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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TABLE 2         SOIL SAMPLE ANALYTICAL RESULTS         Boundary Raider 7 CTB 2         Devon Energy Production Company, LP         Lea County, New Mexico												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000		
				Excava	ation Floor Soil S	amples						
FS01	3/14/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159		
FS02	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040		
FS03	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221		
FS04	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640		
FS05	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,630		
FS06	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,360		
FS07	3/14/2025	0.5	<0.0250	0.0431	<20.0	<25.0	<50.0	<25.0	<50.0	1,440		
FS08	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	714		
FS09	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	872		
FS10	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,740		
FS11	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26,900		
FS11	3/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,350		
FS12	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,500		
FS12	3/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,300		
FS13	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,180		
FS14	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,680		
FS15	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,700		
FS15	3/28/2025	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	663		
FS16	3/14/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,020		
FS17	3/14/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	48,300		
FS17	3/28/2025	1.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450		
FS18	3/14/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,820		
FS19	3/14/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,330		
FS20	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,740		
FS21	3/14/2025	0.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,790		
FS22	3/14/2025	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,140		
FS23	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,410		
FS24	3/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	21,500		
FS24	3/28/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010		
FS25	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,900		
FS25	3/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,750		
FS26	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,000		
FS26	3/28/2025	1	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	588		



	TABLE 2         SOIL SAMPLE ANALYTICAL RESULTS - Continued         Boundary Raider 7 CTB 2         Devon Energy Production Company, LP         Lea County, New Mexico													
Sample Designation														
NMOCD Table I	Closure Criteria	NE	1,000	2,500	10,000									
				Excava	tion Floor Soil S	Samples								
FS27	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	17,000				
FS27	3/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200				
FS28	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	322				
FS29	3/14/2025	0.5	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,980					
FS30	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,890				
FS31	3/14/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,130				

Notes:

bgs: below ground surface

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NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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				Bou Devon Ene	TABLE 3           PLE ANALYTICA           Indary Raider 7 C           rgy Production C           County, New Me	TB 2 ompany, LP						
Sample Designation												
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000		
	Sidewall Soil Samples											
SW01	SW01 3/14/2025 0-1 <0.0250 <0.0500 <20.0 39.8 <50.0 <25.0 <50.0 2,410											
SW02	SW02         3/14/2025         0-1         <0.0250         <0.0500         <20.0         <25.0         <50.0         <25.0         <50.0         3,570											

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



# **APPENDIX A**

Well Log and Record



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

ION	OSE POD NO. ( C-04815	WELL NO.	OD/	WELL TAG ID NO.		OSE FILE NO(S C-4815-POD			
OCAT	WELL OWNER Devon Energ		rces			PHONE (OPTIC	DNAL)		
WELL L	WELL OWNER 205 E. Bende					CITY Hobbs		state NM 88240	ZIP
GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS)		TTUDE	32 18 5	onds 51.8 N 59.4 W		REQUIRED: ONE TENI QUIRED: WGS 84	TH OF A SECOND	
1. GENH	DESCRIPTION			STREET ADDRESS AND COMMON LAND	PMARKS – PLS	SS (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVAILABLE	
	LICENSE NO. 1833		NAME OF LICENSED	DRILLER Jason Maley			NAME OF WELL DRI Vi	LLING COMPANY ision Resources	
	drilling sta 4-16-2		DRILLING ENDED 4-16-24	DEPTH OF COMPLETED WELL (FT) 55'	BORE HO	LE DEPTH (FT) 55'	DEPTH WATER FIRS	ST ENCOUNTERED (FT) N/A	
Z	COMPLETED	VELL IS:	ARTESIAN *add Centralizer info bel	DRY HOLE SHALLOW (UNG	CONFINED)		WATER LEVEL PLETED WELL ()	)' DATE STATIC 1 4-16	
ATIO	DRILLING FLU	ID:	✓ AIR	MUD ADDITIVES – SP	PECIFY:				
RM	DRILLING ME	THOD: 🔽	ROTARY 🔲 HAMM	IER CABLE TOOL OTHER - SP	PECIFY:		CHECK INSTAL	HERE IF PITLESS ADAF LED	TER IS
CASING INFORMATION	DEPTH (f	eet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CON	ASING NECTION FYPE bling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
& CA	0	45	6"	PVC 2" SCH40		Thread	2"	SCH40	N/A
DNG 4	45	55	6"	PVC 2" SCH40	1	Thread	2"	SCH40	.02
2. DRILLING &									
2. D							OSE DII APR	25 2024 pm2:37	
	DEPTH (f	eet bgl)	BORE HOLE	LIST ANNULAR SEAL MATERIAL A RANGE BY INTI		L PACK SIZE-	AMOUNT	метно	
ERIAL	FROM	то	DIAM. (inches)	*(if using Centralizers for Artesian well None pulled and	ls- indicate th	e spacing below)	(cubic feet)	PLACEN	1ENT
ANNULAR MATERIAL									
NNUL									
3. A									
FOF	OSE INTERN					WR-2	0 WELL RECORD	& LOG (Version 09/2	2/2022)
FIL	ENO. C-C	2481		POD NO.	(	TRN	1011		1 OF 2
LOC	CATION 2	55.	32E.08.	143		WELL TAG I	D NO.	PAGE	I OF 2

	DEPTH (f FROM	eet bgl) TO	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MAT R-BEARING CA plemental sheets	ITIES OF	R FRACT	TURE ZONES	BE	VATER ARING? ES / NO)		ESTIMATED YIELD FOR WATER- BEARING
-											-	ZONES (gpm)
ļ	0	10	10'		Brown sand w				Y		-	
-	10	30	20'		Tan fine sand wi		ock		Y			
	30	55	25'		Tan fine	sand	Al mark		Y		-	
	2	din di					-		Y		-	18 - 195 1997 - 1997
	14						10.2		Y		-	
E									Y		-	1
WE		5.1				t Ka	1935	a produce a	Y	Y N		
Š		1. 1. 1.					î		Y	N N		
3							i in	2011	Y	N		
	6.12						1	et gike	Y	N N		
ğ				S. She have					Y	N N		
4. HYDROGEOLOGIC LOG OF WELL									Y	N		S
KO KO							200		Y	Y N		All a she
		12							Y	N N		19 A. 1
4							14 B	Ter Tana	N	N N		
									3	Y N		
		-				C	1. A.		3	( N		5 - C - S - S
							1		3	/ N		
									3	( N		
		tion and the					Mag		3	( N		1 6 20
							-		3	( N		
				OF WATER-BEARING	3 STRATA: HER – SPECIFY:	Dry hole			TOTAL ES WELL YII			)
	WELL TES	TEST	RESULTS - ATT	ACH A COPY OF DAT	A COLLECTED	DURING	WELL T	ESTING, INC	LUDING D	ISCHARG	EM	ETHOD,
ISION		STA	RT TIME, END TIN	ME, AND A TABLE SH	IOWING DISCHA	ARGE AN	D DRAV	VDOWN OVE	R THE TES	TING PER	RIOE	).
5. TEST; RIG SUPERVISION	MISCELLA							0	se oft Al	PR 25 2	024	.рм2:37
rest	PRINT NAM	AE(S) OF I	DRILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSITE :	SUPERVIS	SION OF	WELL CON	STRUCTIO	N OTHER	THA	N LICENSEE
<del>د</del> .	Jason Maley	7										
SIGNATURE	CORRECT	RECORD	OF THE ABOVE D	IES THAT, TO THE B DESCRIBED HOLE AN 0 DAYS AFTER COM	D THAT HE OR	SHE WIL	L FILE 7	GE AND BELL THIS WELL R	EF, THE FO	DREGOIN ITH THE S	IG IS	A TRUE AN TE ENGINEE
6. SI			TUPE OF DRULE	R / PRINT SIGNEE	NAME		_		1/2	DAT	9 F	
		SIGNA	TURE OF DRILLE	K / PKINT SIGNEE	INAME					DAT	Ľ	
FO	R OSE INTER	NAL USE	1.1				2	WR-20 WE	LL RECORI	) & LOG (	Vers	ion 09/22/2022
FIL	ENO. C.	24819	5		POD NO.	1		TRN NO.	7570	140		
LO	CATION 7	35.	32E.08.	143			WELL	TAG ID NO.				PAGE 2 OF

Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

#### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 757440 File Nbr: C 04815 Well File Nbr: C 04815 POD1

Apr. 25, 2024

CHANCE DIXON VERTEX RESOURCE SERVICES INC 3101 BOYD DRIVE CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 03/14/2024.

The Well Record was received in this office on 04/25/2024, stating that it had been completed on 04/16/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/14/2025.

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

Sincerely,

Rodolfs Chang

Rodolfo Chavez (575)622-6521

drywell



**APPENDIX B** 

Lithologic Soil Sampling Logs

								Sample Name: BH01	Date: 12/19/24					
		E.	N	S	ΟΙ	LU	Μ	Incident Number: nAPP243385347						
			_					Job Number: 03A1987152	0					
					SAMPLING									
Cast				-	DAIVIPLINC			Logged By: Bowan Simmons Hole Diameter: 6"	Method: Hand Auger Total Depth: 7'					
	inates: 32					alorido Tost	String and	PetroFlag for chloride and TPH, res						
								factors included.	spectively. Chionae test					
Moisture Content		ТРН	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions					
D	>3590		Y	BH01	0	0	CCHE	Dry, Stained, Caliche, Nor	n Plastic, Non Pliable					
					_	-								
М	>3590		Ν		1	- 1 -	SP	Moist, No Stain, Poorly gra Plastic, Non						
	>3590				2	2								
	1590				3	3								
	3080				4	4								
	1590				5	- 5								
	ND	15			6	6								
	ND	15			7	- 7								
		± <i>J</i>			,	, Tota	l Depth	- 7'						
	Total Depth - 7'													

								Sample Name: BH02	Date: 12/19/24
								Site Name: Boundary Raider 7 CTB	
				3		LU		Incident Number: nAPP243385347	
								Job Number: 03A1987152	
		LITHOL	OGI		SAMPLING	G LOG		Logged By: Bowan Simmons	Method: Hand Auger
Coord	inates: 32							Hole Diameter: 6"	Total Depth: 17'
					ith HACH Cl	nloride Test	Strips and	PetroFlag for chloride and TPH, res	spectively. Chloride test
perfor	med with	n 1:4 dilu	tion f	actor of so	il to distilled	water. No c	orrection	factors included.	
Moisture Content	•	ТРН	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions
D	>3590		Y	BH02	0 1	L O	CCHE	Dry, Stained, Caliche, Nor	n Plastic, Non Pliable
					-	-			
М	3080 N 1 1 SP							Moist, No Stain, Poorly gra Plastic, Non	
	>3590				2	2			
					-	-			
	>3590				3	3			
					-	-			
	>3590				4	4			
					-	-			
	>3590				5	_ 5			
					-	-			
	>3590				6	6			
					-	-			
	N 2500								
	>3590				7	7			
					-	-			
	>3590				8 _	8			
					-	-			
	>3590				9	9			
	, 5550				-	-			
					_	-			
	>3590				10	10			
	>3590				11	11			
	. 25.00				40	- 40			
	>3590				12	12			

								Sample Name: BH02	Date: 12/19/24					
								Site Name: Boundary Raider 7 CTB						
			N	5	U	LU	M	Incident Number: nAPP243385347						
								Job Number: 03A1987152	0					
		LITHOL	OGI		SAMPLING	GLOG		Logged By: Bowan Simmons	Method: Hand Auger					
Coord	inates: 32			-				Hole Diameter: 6"	Total Depth: 27.5'					
Comm	nents: Fie	ld screen	ing co	onducted v				PetroFlag for chloride and TPH, res	spectively. Chloride test					
perfor	rmed with	n 1:4 dilu	tion f	actor of so	il to distilled	water. No c	orrection	factors included.						
Moisture Content	-	НАТ	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	criptions					
М	>3590		Ν	BH02	14 🔟	14	SP	Moist, No Stain, Poorly gra	ded brown sand, Non					
					-	-		Plastic, Non	Pliable.					
М														
М	>3590		N		16	16								
М	M >3590 N 17 17													
М			N		18	18								
					-	-	SW-SC	Sand w/ clay - Fine-graine	ed, low plasticity, tan					
М	5000		N		20	20								
М	3600		Ν		22.5	22.5								
М	1400				23.5	23.5								
D	200		N		25	25								
					-	26	ML	Silt - Light brown, nonpl	astic, non-cohesive					
D	150		Ν		27.5	27.5								
						Total	Depth =	27.5'						
						$\sim$								
		_	/											
$\sim$	-													

								Sample Name: BH03	Date: 12/19/24
								Site Name: Boundary Raider 7 CTB	
			IN	2	0			Incident Number: nAPP243385347	
								Job Number: 03A1987152	-
			OGI		SAMPLING	GLOG		Logged By: Bowan Simmons	Method: Hand Auger
Coord	inates: 32			-				Hole Diameter: 6"	Total Depth: 4'
					vith HACH Cl	nloride Test	Strips and	PetroFlag for chloride and TPH, res	
								factors included.	. ,
Dontent	-	ТРН	< Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	
D	>3590		Y	BH03	0	0	CCHE	Dry, Stained, Caliche, Nor	n Plastic, Non Pliable
					_	- -			
М	1366		N		1	1	SP	Moist, No Stain, Poorly gra Plastic, Non	
	ND	90			2	2			
					-	-			
	ND	96			3	3			
					-	-			
	ND	22			4	- 4			
			<u> </u>		<del>_</del>		l Depth	- 4'	/
						Tota	Il Depth	- 4'	

							Sample Name: BH04	Date: 12/19/24
							Site Name: Boundary Raider 7 CTE	
		N	2	ΟΙ			Incident Number: nAPP24338534	
							Job Number: 03A1987152	, <b>.</b>
		0614		SAMPLING				Method: Hand Auger
Coordinates: 3			-		100		Logged By: Bowan Simmons Hole Diameter: 6"	Total Depth: 4'
				vith HACH CH	loride Test		PetroFlag for chloride and TPH, re	
							factors included.	
Moisture Content Chloride (ppm)		c Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	
D >3590		Y	BH04	0	LO	CCHE	Dry, Stained, Caliche, No	n Plastic, Non Pliable
M 2862		N		1	1 1	SP	Moist, No Stain, Poorly gra Plastic, Non	
ND	0			2	2			
ND	68			3	- 3			
ND	14			4	- 4			
	1 14			4		l Depth	<u>-</u> 4'	/



APPENDIX C

Photographic Log
































# APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation





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 7 CTB 2

Work Order: E412049

Job Number: 01058-0007

Received: 12/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/10/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/10/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E412049 Date Received: 12/9/2024 8:00:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2024 8:00:00AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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#### **Sample Summary**

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		Sample Sum	mai y		
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	ers Hwy Project Number: 01058-0007		Boundary Raider 7 01058-0007 Ashley Giovengo	CTB 2	<b>Reported:</b> 12/10/24 11:37
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 @ 0'	E412049-01A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SS02 @ 0'	E412049-02A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SS03 @ 0'	E412049-03A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
S04 @ 0'	E412049-04A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
S05 @ 0'	E412049-05A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
S06 @ 0'	E412049-06A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SS07 @ 0'	E412049-07A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.



		imple D				
Devon Energy - Carlsbad	Project Name:	Bou	ndary Raider 7 C	TB 2		
6488 7 Rivers Hwy	Project Number	r: 010:	58-0007			Reported:
Artesia NM, 88210	Project Manage	er: Ash	ley Giovengo		12/10/2024 11:37:54AN	
	\$	SS01 @ 0'				
	]	E412049-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL			Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
thylbenzene	ND	0.0250	1	12/09/24	12/10/24	
oluene	ND	0.0250	1	12/09/24	12/10/24	
-Xylene	ND	0.0250	1	12/09/24	12/10/24	
,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
otal Xylenes	ND	0.0250	1	12/09/24	12/10/24	
urrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/09/24	12/10/24	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2450003
viesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
urrogate: n-Nonane		116 %	50-200	12/09/24	12/09/24	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2450014
Chloride	174	20.0	1	12/09/24	12/09/24	





	5	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Numbe		ndary Raider 7 58-0007	CTB 2		Reported:
Artesia NM, 88210	Project Manag			12/10/2024 11:37:54AM		
		SS02 @ 0'				
		E412049-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
p-Xylene	ND	0.0250	1	12/09/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		112 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2450014
Chloride	186	20.0	1	12/09/24	12/09/24	



		impre D				
Devon Energy - Carlsbad	Project Name:		ndary Raider 7 C	CTB 2		
6488 7 Rivers Hwy	Project Number		58-0007			Reported:
Artesia NM, 88210	Project Manage	er: Ash	ley Giovengo	12/10/2024 11:37:54AM		
	S	SS03 @ 0'				
	I	E412049-03				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
p-Xylene	ND	0.0250	0.0250 1 12/09/24		12/10/24	
p,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		108 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2450014
Chloride	34.0	20.0	1	12/09/24	12/09/24	



	D.	ampie D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	<b>Reported:</b> 12/10/2024 11:37:54A					
		SS04 @ 0'				
		E412049-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
o-Xylene	ND	0.0250	1	12/09/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		113 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: DT		Batch: 2450014
Chloride	28.5	20.0	1	12/09/24	12/09/24	



		impic D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 010	ndary Raider 7 58-0007 ley Giovengo	<b>Reported:</b> 12/10/2024 11:37:54AM		
		SS05 @ 0'				
	]	E412049-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
o-Xylene	ND	0.0250	1	12/09/24	12/10/24	
o,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Fotal Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		109 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2450014
Chloride	118	20.0	1	12/09/24	12/09/24	



	54	imple D				
Devon Energy - Carlsbad	Project Name:	Bou	ndary Raider 7 C	ГВ 2		
6488 7 Rivers Hwy	Project Number	r: 010:	58-0007			Reported:
Artesia NM, 88210	Project Manage	er: Ash	ley Giovengo			12/10/2024 11:37:54AM
		SS06 @ 0'				
	I	E <b>412049-06</b>				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
p-Xylene	ND	0.0250	1	12/09/24	12/10/24	
o,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Fotal Xylenes	ND	0.0250	1	12/09/24	12/10/24	
urrogate: 4-Bromochlorobenzene-PID		108 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		109 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2450014
Chloride	57.8	20.0	1	12/09/24	12/09/24	



## Sample Data

	56	impic D	aia			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number	er: 010	ndary Raider 7 CT 58-0007	ГВ 2		<b>Reported:</b> 12/10/2024 11:37:54AM
Artesia NM, 88210	Project Manag	er: Ash	ley Giovengo			12/10/2024 11:37:34AM
		SS07 @ 0'				
		E412049-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
p-Xylene	ND	0.0250	1	12/09/24	12/10/24	
o,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		111 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: DT		Batch: 2450014
Chloride	ND	20.0	1	12/09/24	12/09/24	



# **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	Boundary Raide 01058-0007 Ashley Gioveng					<b>Reported:</b> 12/10/2024 11:37:54AM	
		Volatile O	rganics	by EPA 802	21B				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 (2450008-BLK1)						1	Prepared: 1	2/09/24 A	Analyzed: 12/10/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.93		8.00		112	70-130				
LCS (2450008-BS1)						]	Prepared: 1	2/09/24 A	Analyzed: 12/10/24	
Benzene	4.77	0.0250	5.00		95.4	70-130				
Ethylbenzene	4.60	0.0250	5.00		91.9	70-130				
Toluene	4.70	0.0250	5.00		93.9	70-130				
o-Xylene	4.59	0.0250	5.00		91.9	70-130				
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130				
Total Xylenes	13.9	0.0250	15.0		92.9	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.93		8.00		112	70-130				
LCS Dup (2450008-BSD1)							Prepared: 1	2/09/24 A	Analyzed: 12/10/24	
Benzene	4.69	0.0250	5.00		93.8	70-130	1.63	20		
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130	1.47	20		
Toluene	4.62	0.0250	5.00		92.4	70-130	1.58	20		
o-Xylene	4.53	0.0250	5.00		90.6	70-130	1.42	20		
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130	1.47	20		
Total Xylenes	13.7	0.0250	15.0		91.6	70-130	1.45	20		
Surrogate: 4-Bromochlorobenzene-PID	8.88		8.00							



# **QC Summary Data**

		Y VY	/	ary Date					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manage:	:	Boundary Raide 01058-0007 Ashley Gioveng				1	<b>Reported:</b> 2/10/2024 11:37:54AM
		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 (2450008-BLK1)							Prepared: 1	2/09/24 Ai	nalyzed: 12/10/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			
LCS (2450008-BS2)							Prepared: 1	2/09/24 A	nalyzed: 12/10/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0		87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130			
LCS Dup (2450008-BSD2)							Prepared: 1	2/09/24 A	nalyzed: 12/10/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		84.0	70-130	4.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.31		8.00		104	70-130			



# **QC Summary Data**

		QC DI		lary Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		Boundary Raider 7 01058-0007 Ashley Giovengo	CTB 2	2			<b>Reported:</b> 12/10/2024 11:37:54AM
	Nonh	alogenated Orga	anics b	y EPA 8015D -	DRO	/ORO			Analyst: KH
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2450003-BLK1)							Prepared: 1	2/09/24 A	analyzed: 12/09/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			
LCS (2450003-BS1)							Prepared: 1	2/09/24 A	analyzed: 12/09/24
Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132			
Surrogate: n-Nonane	57.8		50.0		116	50-200			
Matrix Spike (2450003-MS1)				Source: E4	12049-	•06	Prepared: 1	2/09/24 A	analyzed: 12/09/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	60.1		50.0		120	50-200			
Matrix Spike Dup (2450003-MSD1)				Source: E4	12049-	•06	Prepared: 1	2/09/24 A	analyzed: 12/09/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	4.32	20	
Surrogate: n-Nonane	57.9		50.0		116	50-200			



# **QC Summary Data**

		<u> </u>		v					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manager	: (	Boundary Raide )1058-0007 Ashley Gioveng					<b>Reported:</b> 12/10/2024 11:37:54AM
Altesia NM, 88210		Floject Manager		Asiney Gloveng	30				12/10/2024 11.57.54AW
		Anions	by EPA	<b>300.0/9056</b> A	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 (2450014-BLK1)							Prepared: 12	2/09/24 A	Analyzed: 12/09/24
Chloride	ND	20.0							
LCS (2450014-BS1)							Prepared: 12	2/09/24 A	Analyzed: 12/09/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2450014-BSD1)							Prepared: 12	2/09/24 A	Analyzed: 12/09/24
Chloride	258	20.0	250		103	90-110	0.384	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/24 11:37

- 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.





### **Chain of Custody**

Page	_
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	ene	nt Inform	ation		Invoice Inform	ation				ib Us		•				TAT			State
<u>Client: D</u>					Company: Devon Energy		La	b WO: <b>HZ</b>	#		Job	Numb	ber	νĿ	LD 2	2D 30	) Std		
Project:	Manager: As		Raider 7 (	<u>_IB2</u>	Address: 5315 Buena Vist City, State, Zip: Carlsbad		— [토	712	OY	71	1	> 0.	<u></u>	~			IX.		
	3122 Natio				Phone: (575)689-7597	111, 00220		ſ			Ana	lvsis	and	Meth	hd			FP4	Program
	te, Zip: Carls				Email: jim.raley@dvn.com	· · ·						19313				_			CWA   RCRA
	575-988-005		00220		Miscellaneous: Jim Raley								1					30111	
	giovengo@e		om		instellations. Sint taley			5	5									Compliance	Y OF N
•								801	801	_		2	_	×	5			PWSID #	
				Sample In	formation			§	RO b	y 802	8260	e 300	ZZ 	1- SO	Met				
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	E Lab Numbe	TRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			F	lemarks
1236	12/5/2024	S	1	55	01 @ 0'		1						x						
1131	12/5/2024	s	1		12 Q 0'		2	1					x						
1134	12/5/2024	s	1		300'		3	$\top$					x			-	+		
1138	12/5/2024	s	1		4 @ 0'			+					x		-+-		+-		
204	12/5/2024	s	1	SSOS			5	+					x		╉				
1711	12/5/2024		1	SSOG			6	╋	+				x						
	12/5/2024			3206	0 0		0									_			
215	12/5/2024	s	1	5507	00'		7						Х						
Additior	nal Instructio	ons: Ple	ase CC: cb	urton@ensolu	m.com, agiovengo@ensolum.c	om, jim.rale	/@dvn.c	om, ie	estrel	la@e	ensol	um.c	om,	cham	ilton	@ens	olum.	com,	
				ensolum.com															
	pler), attest to th : _Higinio Gonzal	-		of this sample. I am	aware that tampering with or intentionally	mislabeling the s	imple locat	ion, date	e or tim	e of col	llection	n is con	sidere	d fraud	and ma	ay be gro	ounds fo	r legal action.	
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							ntainer Ty	(00: 7	alace	n				Temp		7	700		
_	trix: S - Soil, Sd - S				less other arrangements are made. Ha				_									for the analy	sis of the above
	•	•		•	atory with this COC. The liability of the						•								sis of the above

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad Da	te Received:	12/09/24	08:00		Work Order ID:	E412049
Phone:	(505) 382-1211 Da	te Logged In:	12/06/24	16:48		Logged In By:	Noe Soto
Email:		e Date:		17:00 (4 day TAT)			
Chain o	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match t	he COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier:	Courier		
	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes		COUNTER		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes			Commen	ts/Resolution
Sample	Turn Around Time (TAT)						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	• •						
7. Was a	sample cooler received?		Yes				
8. If yes	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample tem	perature: 4°	С				
	Container		_				
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La	ibel						
20. Were	e field sample labels filled out with the minimum informa	ition:					
	Sample ID?		Yes				
	Date/Time Collected?		Yes				
	Collectors name?		No				
-	<u>Preservation</u> s the COC or field labels indicate the samples were preser	rved?	No				
	sample(s) correctly preserved?	vou:	NA				
	b filteration required and/or requested for dissolved metal	ls?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed	?	NA				
-	tract Laboratory		. 12 1				
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract La	b: NA		
	Instruction			s s on a det Eu			

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



envirotech Inc.

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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: E

Boundary Raider 7 CTB 2

Work Order: E412164

Job Number: 01058-0007

Received: 12/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/30/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/30/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E412164 Date Received: 12/20/2024 8:00:00AM

Ashley Giovengo,



The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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





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Samn	le Summarv	
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		Sample Sum	mary		
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	Boundary Raider 7 01058-0007	CTB 2	Reported:
Artesia NM, 88210		Project Manager:	Ashley Giovengo		12/30/24 14:46
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0'	E412164-01A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H01 - 1'	E412164-02A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H01 - 3'	E412164-03A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H01 - 5'	E412164-04A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H02 - 0'	E412164-05A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H02 - 1'	E412164-06A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H02 - 3'	E412164-07A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H02 - 5'	E412164-08A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H03 - 0'	E412164-09A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H03 - 1'	E412164-10A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H03 - 3'	E412164-11A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H04 - 0'	E412164-12A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H04 - 1'	E412164-13A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
H04 - 3'	E412164-14A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.



	D	ampic D				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 0105	ndary Raider 7 C 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 12/30/2024 2:46:40PM
		BH01 - 0'				
		E412164-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		87.1 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2451087
Chloride	26300	400	20	12/20/24	12/20/24	



### Sample Data

	5	ampie D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 010:	ndary Raider 7 C7 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 12/30/2024 2:46:40PM
		BH01 - 1'				
		E412164-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
p-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Fotal Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: NV			Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		104 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: JM		Batch: 2451087
Chloride	3420	40.0	2	12/20/24	12/20/24	



### Sample Data

	Di	ample D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010	ndary Raider 7 ( 58-0007 ley Giovengo	CTB 2		<b>Reported:</b> 12/30/2024 2:46:40PM
		BH01 - 3'				
		E412164-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
p-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		99.4 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: JM		Batch: 2451087
Chloride	1200	20.0	1	12/20/24	12/20/24	



### Sample Data

	5	ample D	ลเล			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 010	ndary Raider 7 C 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 12/30/2024 2:46:40PM
		BH01 - 5'				
		E412164-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
p-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		85.1 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		101 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: JM		Batch: 2451087
Chloride	1170	20.0	1	12/20/24	12/20/24	



### Sample Data

	5	ampie D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name:Boundary Raider 7 CTB 2Project Number:01058-0007Project Manager:Ashley Giovengo				<b>Reported:</b> 12/30/2024 2:46:40PM	
		BH02 - 0'				
		E412164-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
Benzene	ND	0.0250	1	12/20/24	12/21/24	
thylbenzene	ND	0.0250	1	12/20/24	12/21/24	
oluene	ND	0.0250	1	12/20/24	12/21/24	
-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
urrogate: 4-Bromochlorobenzene-PID		85.3 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: NV			Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
urrogate: n-Nonane		95.3 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451087
Chloride	17700	400	20	12/20/24	12/20/24	



### Sample Data

	50	ampie D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name:Boundary Raider 7 CTB 2Project Number:01058-0007Project Manager:Ashley Giovengo				<b>Reported:</b> 12/30/2024 2:46:40PM	
		BH02 - 1'				
		E412164-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Fotal Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		84.8 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2451093		
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		101 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2451087
Chloride	2680	40.0	2	12/20/24	12/20/24	



### Sample Data

	5	ample D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 010	ndary Raider 7 C 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 12/30/2024 2:46:40PM
		BH02 - 3'				
		E412164-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
oluene	ND	0.0250	1	12/20/24	12/21/24	
-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
urrogate: 4-Bromochlorobenzene-PID		85.0 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		99.6 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ng/kg Analyst: JM			Batch: 2451087
Chloride	3280	40.0	2	12/20/24	12/20/24	



### Sample Data

50	impic D	ala			
CarlsbadProject Name:Boundary Raider 7 CTB 2IwyProject Number:01058-0007210Project Manager:Ashley Giovengo					<b>Reported:</b> 12/30/2024 2:46:40PM
	BH02 - 5'				
]	E412164-08				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst: SL		Batch: 2451086	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0500	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
	84.4 %	70-130	12/20/24	12/21/24	
mg/kg	mg/kg	Analyst: SL			Batch: 2451086
ND	20.0	1	12/20/24	12/21/24	
	96.4 %	70-130	12/20/24	12/21/24	
mg/kg	mg/kg	Analyst	Batch: 2451093		
ND	25.0	1	12/20/24	12/20/24	
ND	50.0	1	12/20/24	12/20/24	
	99.4 %	50-200	12/20/24	12/20/24	
mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
· · ·	Project Name: Project Numbe Project Manag Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name: Bour   Project Number: 0105   Project Manager: Ashl   Project Manager: Ashl   BH02 - 5' E412164-08   BH02 - 5' E412164-08   Result Limit   mg/kg mg/kg   ND 0.0250   ND 20.0   mg/kg mg/kg   Mg/kg Mg/kg   ND 25.0   ND 50.0   ND 50.0	Project Number: $01058-0007$ Project Manager: $Ashley Giovengo$ BH02 - 5'   E412164-08   E412164-08   E412164-08   Result Dilution   Result Dilution   mg/kg mg/kg Analyst   ND 0.0250 1   MD 0.0250 1   MD 20.0 1   MD 20.0 1   MD 25.0 1   MD 50.0 1   MD 50.200 1	Image: Boundary Raider 7 CTB 2   Project Number: 01058-0007   Project Manager: Ashley Giovengo   BH02 - 5'   BH02 - 5'   E412164-08   Result Dilution Prepared   Mg/kg mg/kg Analyst: SL   ND 0.0250 1 12/20/24   ND 20.0 1 12/20/24   MD 20.0 1 12/20/24   MD 20.0 1 12/20/24   MD 25.0 1 12/20/24   MD	Image: Boundary Raider 7 CTB 2   Project Namber: $01058-0007$ Project Manager: Ashley Giovengo   BH02 - 5'   E412164-08   Result Dilution Prepared Analyzed   Mg/kg mg/kg Analyst: SL V   ND 0.0250 1 12/20/24 12/21/24   ND 20.0 1 12/20/24 12/21/24   MD 20.0 1 12/20
## Sample Data

	5	ampic D	ara			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbo Project Manag	er: 010	ndary Raider 7 CT 58-0007 ley Giovengo	<b>Reported:</b> 12/30/2024 2:46:40PM		
		BH03 - 0'				
		E412164-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	s by EPA 8015D - DRO/ORO mg/kg mg/kg Analyst: NV			Batch: 2451093		
Diesel Range Organics (C10-C28)	65.3	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		95.3 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: JM		Batch: 2451087
Chloride	21700	400	20	12/20/24	12/20/24	



#### Sample Data

Project Name: Project Numbe	Bou	ndary Raider 7 C	ГВ 2		
		Boundary Raider 7 CTB 2 01058-0007 Ashley Giovengo			<b>Reported:</b> 12/30/2024 2:46:40PM
	BH03 - 1'				
	E412164-10				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	g Analyst: SL			Batch: 2451086
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
ND	0.0500	1	12/20/24	12/21/24	
ND	0.0250	1	12/20/24	12/21/24	
	84.2 %	70-130	12/20/24	12/21/24	
mg/kg	mg/kg	cg Analyst: SL			Batch: 2451086
ND	20.0	1	12/20/24	12/21/24	
	96.2 %	70-130	12/20/24	12/21/24	
mg/kg	mg/kg	Analys	t: NV		Batch: 2451093
ND	25.0	1	12/20/24	12/20/24	
ND	50.0	1	12/20/24	12/20/24	
	97.9 %	50-200	12/20/24	12/20/24	
mg/kg	mg/kg	Analys	t: JM		Batch: 2451087
1100	40.0	2	12/20/24	12/20/24	
	Result mg/kg ND ND ND ND ND ND ND MD MD MD MD ND MD ND MD MD	BH03 - 1'           E412164-10           Reporting           Result         Limit           mg/kg         mg/kg           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0           96.2 %         mg/kg           MD         25.0           ND         50.0           ND         50.0           97.9 %         mg/kg           mg/kg         mg/kg	BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         20.0         1           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           ND         50.0         1           ND         50.0         1           ND         50.0         1           ND         50.200         1 <tr< td=""><td>BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/20/24           MD         20.0         1         12/20/24           mg/kg         mg/kg         Analyst: SL         12/20/24           MD         20.0         1         12/20/24           MD         25.0         1         12/20/24           ND         50.0         1<td>BH03 - 1'           BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         V           ND         0.0250         1         12/20/24         12/21/24           MD         0.0250         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24</td></td></tr<>	BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         12/20/24           MD         20.0         1         12/20/24           mg/kg         mg/kg         Analyst: SL         12/20/24           MD         20.0         1         12/20/24           MD         25.0         1         12/20/24           ND         50.0         1 <td>BH03 - 1'           BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         V           ND         0.0250         1         12/20/24         12/21/24           MD         0.0250         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24</td>	BH03 - 1'           BH03 - 1'           E412164-10           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL         V           ND         0.0250         1         12/20/24         12/21/24           MD         0.0250         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24         12/21/24           MD         20.0         1         12/20/24



#### Sample Data

	3	ample D	ลเล			
Devon Energy - Carlsbad	Project Name	: Bou	ndary Raider 7 C	CTB 2		
6488 7 Rivers Hwy	Project Numb	oer: 010	58-0007			Reported:
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo			12/30/2024 2:46:40PM
		BH03 - 3'				
		E412164-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Fotal Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Surrogate: 4-Bromochlorobenzene-PID		83.2 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO mg/kg		mg/kg	Analy	vst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/20/24	
Surrogate: n-Nonane		96.0 %	50-200	12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: JM		Batch: 2451087
Chloride	54.3	20.0	1	12/20/24	12/20/24	



#### Sample Data

Artesia NM, 88210       Project Manager:       Ashley Giovengo       12/30/202         BH104 - 0'         E412164-12         Analyte       Result       Limit       Dilution       Prepared       Analyzed       Notes         Notes         Volatile Organics by EPA 8021B       mg/kg       mg/kg       Analyst: SL       Batch: 24         Benzene       ND       0.0250       1       12/20/24       12/21/24         Ethylbenzene       ND       0.0250       1       12/20/24       12/21/24         Folgene       ND       0.0250       1       12/20/24       12/21/24         o-Xylene       ND       0.0250       1       12/20/24       12/21/24         o-Xylene       ND       0.0250       1       12/20/24       12/21/24         Surrogate: 4-Bromochlorobetzene-PID       83.6 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Surrogate: 1-Chloro-4-fluorobetzene-FID       96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics (C6-C10)       ND       25.0       1       12/20/24			bample D	ala			
E412164-12           Reporting           Analyte         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Mg/kg         Analyst: SL         Batch: 24           Senzene         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Ethylbenzene         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Solution         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Solution         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Solution         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Solution Xylenes         ND         0.0250         1         12/20/24         12/21/24         12/21/24           Sourogate: 4-Bromochlorobenzene-PID         83.6 %         70-130         12/20/24         12/21/24         12/21/24           Sourogate: 1-Chloro-4-fluorobenzene-FID         96.2 %         70-130         12/20/24         12/21/24         12/21/24	188 7 Rivers Hwy	Project Num	ber: 010	58-0007	CTB 2	<b>Reported:</b> 12/30/2024 2:46:40PM	
Reporting         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL         Batch: 24           Benzene         ND         0.0250         1         12/20/24         12/21/24           Schuptene         ND         0.0250         1         12/20/24         12/21/24           Foluene         ND         0.0250         1         12/20/24         12/21/24           >Xylene         ND         0.0250         1         12/20/24         12/21/24           >Xylene         ND         0.0250         1         12/20/24         12/21/24           >Xylene         ND         0.0250         1         12/20/24         12/21/24           Surrogate: 4-Bromochlorobenzene-PID         83.6 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: SL         Batch: 24           Gasoline Range Organics (C6-C10)         ND         20.0         1         12/20/24         12/21/24           Vonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 24      <			BH04 - 0'				
Analyte         Result         Limit         Dilution         Prepared         Analyzed         Notes           Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL         Batch: 24           Benzene         ND         0.0250         1         12/20/24         12/21/24           Benzene         ND         0.0250         1         12/20/24         12/21/24           Foluene         ND         0.0250         1         12/20/24         12/21/24           >-Xylene         ND         0.0250         1         12/20/24         12/21/24           >-Xylene         ND         0.0250         1         12/20/24         12/21/24           >-Mrylene         ND         0.0250         1         12/20/24         12/21/24           Surrogate: 4-Bromochlorobenzene-PID         83.6 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Malyst: SL         Batch: 24           Gasoline Range Organics (C6-C10)         ND         20.0         1         12/20/24         12/21/24           Surrogate: 1-Chloro-4-fluorobenzene-FID         96.2 %         70-130         12/20/24         12/21/24         12/21/24			E412164-12				
Volatile Organics by EPA 8021B         mg/kg         mg/kg         Analyst: SL         Batch: 24           Benzene         ND         0.0250         1         12/20/24         12/21/24           Ethylbenzene         ND         0.0250         1         12/20/24         12/21/24           Toluene         ND         0.0250         1         12/20/24         12/21/24           o-Xylene         ND         0.0250         1         12/20/24         12/21/24           Surrogate: 4-Bromochlorobenzene-PID         83.6 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: SL         Batch: 24           Surrogate: 1-Chloro-4-fluorobenzene-FID         96.2 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 24           Diesel Range Organ			Reporting				
Number of games by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: SL         Batch: 24           Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: NV         Batch: 24           Nonhalogenated Organics (C10-C28)         ND         20.0         1         12/20/24         12/21/24           ND         0.0250         1         12/20/24         12/21/24         12/21/24           ND         0.0250         1         12/20/24         12/21/24         12/21/24           o-Xylene         ND         0.0250         1         12/20/24         12/21/24           for all Xylenes         ND         0.0250         1         12/20/24         12/21/24           Surrogate: 4-Bromochlorobenzene-PID         83.6 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: SL         Batch: 24           Gasoline Range Organics (C6-C10)         ND         20.0         1         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 24           Diesel Range Organics (C10-C28)         ND         50.0         1         12/20/24<	nalyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Andretic       ND       0.0250       1       12/20/24       12/21/24         Ethylbenzene       ND       0.0250       1       12/20/24       12/21/24         Foluene       ND       0.0250       1       12/20/24       12/21/24         o-Xylene       ND       0.0250       1       12/20/24       12/21/24         o,m-Xylene       ND       0.0250       1       12/20/24       12/21/24         foral Xylenes       ND       0.0250       1       12/20/24       12/21/24         Surrogate: 4-Bromochlorobenzene-PID       83.6 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Surrogate: 1-Chloro-4-fluorobenzene-FID       96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Diesel Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Dil Range Organics (C28-C36)       ND       50.0       1       12/20/24<	atile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2451086
ND       0.0250       1       12/20/24       12/21/24         P-Xylene       ND       0.0250       1       12/20/24       12/21/24         p.m-Xylene       ND       0.0500       1       12/20/24       12/21/24         fotal Xylenes       ND       0.0250       1       12/20/24       12/21/24         fotal Xylenes       ND       0.0250       1       12/20/24       12/21/24         fotal Xylenes       ND       0.0250       1       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Sasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Sasoline Range Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Diesel Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Dil Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Surrogate: n-Nonane       82.7 %       50-200       12/20/24       12/20/24<	zene	ND	0.0250	1	12/20/24	12/21/24	
ND       0.0250       1       12/20/24       12/21/24         p-Xylene       ND       0.0250       1       12/20/24       12/21/24         fotal Xylenes       ND       0.0500       1       12/20/24       12/21/24         fotal Xylenes       ND       0.0250       1       12/20/24       12/21/24         Monhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Noise organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24	ylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Nyneth       ND       0.0500       1       12/20/24       12/21/24         ym-Xylene       ND       0.0500       1       12/20/24       12/21/24         wordste:       4-Bromochlorobenzene-PID       83.6 %       70-130       12/20/24       12/21/24         wonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         wrogate:       1-Chloro-4-fluorobenzene-FID       96.2 %       70-130       12/20/24       12/21/24         Wonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Wonhalogenated Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Diesel Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         wrogate: n-Nonane       82.7 %       50-200       1	lene	ND	0.0250	1	12/20/24	12/21/24	
ND       0.00500       1       12/20/24       12/21/24         Sotal Xylenes       ND       0.0250       1       12/20/24       12/21/24         Surrogate: 4-Bromochlorobenzene-PID       83.6 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Surrogate: 1-Chloro-4-fluorobenzene-FID       96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Soise Range Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Diesel Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Surrogate: n-Nonane       82.7 %       50-200       12/20/24       12/20/24       12/20/24         Nations by EPA 300.0/9056A       mg/kg       mg/kg       Analyst: JM       Batch: 24	ylene	ND	0.0250	1	12/20/24	12/21/24	
No.       Outers         hurrogate: 4-Bromochlorobenzene-PID       83.6 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - GRO       mg/kg       mg/kg       Analyst: SL       Batch: 24         Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24         Gurrogate: 1-Chloro-4-fluorobenzene-FID       96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Nonhalogenated Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Diesel Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Maines by EPA 300.0/9056A       mg/kg       mg/kg       mg/kg       Analyst: JM       Batch: 24	-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO         mg/kg         mg/kg         Analyst: SL         Batch: 24           Gasoline Range Organics (C6-C10)         ND         20.0         1         12/20/24         12/21/24           furrogate: 1-Chloro-4-fluorobenzene-FID         96.2 %         70-130         12/20/24         12/21/24           Nonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 24           Nonhalogenated Organics (C10-C28)         ND         25.0         1         12/20/24         12/20/24           Diesel Range Organics (C28-C36)         ND         50.0         1         12/20/24         12/20/24           Gurogate: n-Nonane         82.7 %         50-200         12/20/24         12/20/24           Anions by EPA 300.0/9056A         mg/kg         mg/kg         Malyst: JM         Batch: 24	ıl Xylenes	ND	0.0250	1	12/20/24	12/21/24	
Gasoline Range Organics (C6-C10)       ND       20.0       1       12/20/24       12/21/24 <i>burrogate: 1-Chloro-4-fluorobenzene-FID</i> 96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Diesel Range Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Dil Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24 <i>burrogate: n-Nonane</i> 82.7 %       50-200       12/20/24       12/20/24         Anions by EPA 300.0/9056A       mg/kg       mg/kg       Malyst: JM       Batch: 24	ogate: 4-Bromochlorobenzene-PID		83.6 %	70-130	12/20/24	12/21/24	
Ansonine Range Organics (C0 C10)       AB       2000         Surrogate: 1-Chloro-4-fluorobenzene-FID       96.2 %       70-130       12/20/24       12/21/24         Nonhalogenated Organics by EPA 8015D - DRO/ORO       mg/kg       mg/kg       Analyst: NV       Batch: 24         Diesel Range Organics (C10-C28)       ND       25.0       1       12/20/24       12/20/24         Dil Range Organics (C28-C36)       ND       50.0       1       12/20/24       12/20/24         Surrogate: n-Nonane       82.7 %       50-200       12/20/24       12/20/24         Anions by EPA 300.0/9056A       mg/kg       mg/kg       Malyst: JM       Batch: 24	nhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	'kg Analyst: SL			Batch: 2451086
Nonhalogenated Organics by EPA 8015D - DRO/ORO         mg/kg         mg/kg         Analyst: NV         Batch: 24           Diesel Range Organics (C10-C28)         ND         25.0         1         12/20/24         12/20/24           Dil Range Organics (C28-C36)         ND         50.0         1         12/20/24         12/20/24           Durrogate: n-Nonane         82.7 %         50-200         12/20/24         12/20/24           Anions by EPA 300.0/9056A         mg/kg         mg/kg         Analyst: JM         Batch: 24	oline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
ND         25.0         1         12/20/24         12/20/24           Diesel Range Organics (C10-C28)         ND         25.0         1         12/20/24         12/20/24           Dil Range Organics (C28-C36)         ND         50.0         1         12/20/24         12/20/24 <i>burrogate: n-Nonane</i> 82.7 %         50-200         12/20/24         12/20/24           Anions by EPA 300.0/9056A         mg/kg         mg/kg         Analyst: JM         Batch: 24	ogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	12/20/24	12/21/24	
ND       50.0       1       12/20/24       12/20/24         urrogate: n-Nonane       82.7 %       50-200       12/20/24       12/20/24         Anions by EPA 300.0/9056A       mg/kg       mg/kg       Analyst: JM       Batch: 24	Ionhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analy	vst: NV		Batch: 2451093
ND       50.0       1       12/20/24       12/20/24 <i>iurrogate: n-Nonane</i> 82.7 %       50-200       12/20/24       12/20/24         Anions by EPA 300.0/9056A       mg/kg       mg/kg       Analyst: JM       Batch: 24	sel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/20/24	
Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: JM Batch: 24		ND	50.0	1	12/20/24	12/20/24	
	ogate: n-Nonane		82.7 %	50-200	12/20/24	12/20/24	
	ions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: JM		Batch: 2451087
Image: Chloride         Image: 19200         200         10         12/20/24         12/20/24	oride	19200	200	10	12/20/24	12/20/24	



#### Sample Data

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Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 0103	ndary Raider 7 C 58-0007 ley Giovengo	ТВ 2	<b>Reported:</b> 12/30/2024 2:46:40PM	
		BH04 - 1'				
		E412164-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
oluene	ND	0.0250	1	12/20/24	12/21/24	
-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Fotal Xylenes	ND	0.0250	1	12/20/24	12/21/24	
urrogate: 4-Bromochlorobenzene-PID		82.9 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	12/20/24	12/21/24	
onhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analys	t: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/21/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
Surrogate: n-Nonane		102 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: JM		Batch: 2451087
Chloride	2050	40.0	2	12/20/24	12/20/24	



#### Sample Data

	0	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	oer: 010	ndary Raider 7 C 58-0007 ley Giovengo	TB 2	<b>Reported:</b> 12/30/2024 2:46:40PM	
		BH04 - 3'				
		E412164-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2451086
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
oluene	ND	0.0250	1	12/20/24	12/21/24	
-Xylene	ND	0.0250	1	12/20/24	12/21/24	
o,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
urrogate: 4-Bromochlorobenzene-PID		82.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: SL			Batch: 2451086
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analy	st: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/21/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
urrogate: n-Nonane		99.1 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2451087
Chloride	265	20.0	1	12/20/24	12/20/24	



## **QC Summary Data**

	Project Name:			er 7 CTB 2				Reported:
6488 7 Rivers Hwy Project Number: 01058-0007								
	Project Manager:	1	Ashley Gioveng	go				12/30/2024 2:46:40PM
	Volatile Or	rganics	by EPA 802	21 <b>B</b>				Analyst: SL
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Prepare							2/20/24 A	Analyzed: 12/20/24
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.07		8.00		88.4	70-130			
						Prepared: 1	2/20/24 A	Analyzed: 12/20/24
4.70	0.0250	5.00		94.0	70-130			
4.68	0.0250	5.00		93.7	70-130			
4.76	0.0250	5.00		95.2	70-130			
4.72	0.0250	5.00		94.3	70-130			
9.52	0.0500	10.0		95.2	70-130			
14.2	0.0250	15.0		94.9	70-130			
7.01		8.00		87.7	70-130			
						Prepared: 1	2/20/24 A	Analyzed: 12/21/24
4.71	0.0250	5.00		94.2	70-130	0.194	20	
4.73	0.0250	5.00		94.6	70-130	0.987	20	
4.78	0.0250	5.00		95.6	70-130	0.448	20	
4.73	0.0250	5.00		94.6	70-130	0.331	20	
					50 120	0.000		
9.60 14.3	0.0500	10.0 15.0		96.0 95.5	70-130 70-130	0.808	20	
	mg/kg ND ND ND ND ND ND 7.07 4.70 4.70 4.68 4.76 4.72 9.52 14.2 7.01 4.71 4.73 4.78	Project Number: Project Manager:           Project Manager:           Volatile Or           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           7.07	Project Number: Project Manager:           Volatile Organics           Result         Reporting Limit         Spike Level           mg/kg         mg/kg         mg/kg           ND         0.0250         0.0250           ND         0.0250         0.00250           ND         0.0250         5.00           4.70         0.0250         5.00           4.76         0.0250         5.00           4.76         0.0250         5.00           4.72         0.0250         5.00           4.73         0.0250         15.0           7.01         8.00         15.0           4.71         0.0250         5.00           4.73         0.0250         5.00           4.78         0.0250         5.00	Project Number:         01058-007           Project Manager:         Ashley Gioveng           Volatile Organics by EPA 802           Result         Limit         Level         Result           mg/kg         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ND         0.0250           ND         0.0250         Source         ND           4.70         0.0250         5.00         4.76           4.72         0.0250         5.00         4.76           9.52         0.0500         10.0         14.2         0.0250           7.01         8.00         4.71         0.0250         5.00           4.71         0.0250         5.00         4.73           4.73         0.0250         5.00         4.73	Project Number:         01058-0007           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         %         %           4.70         0.0250         %         %           4.70         0.0250         \$.00         \$8.4           4.70         0.0250         \$.00         \$8.4           4.70         0.0250         \$.00         \$94.0           4.68         0.0250         \$.00         \$95.2           4.72         0.0250         \$.00         \$94.3           9.52         0.0500         \$10.0         \$5.2           4.72         0.0250         \$.00         \$94.3           9.52         0.0500         \$10.0         \$5.2           14.2 <td< td=""><td>Project Number:         01058-0007           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B         Rec           Result         Reporting Umit         Spike Level         Source Result         Rec         Rec           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         mb         ND         %           ND         0.0250         season         season         season           A.70         0.0250         5.00         94.0         70-130           4.70         0.0250         5.00         94.2         70-130           4.72         0.0250         5.00         94.3         70-130           4.72         0.0250         5.00         94.9         70-130</td><td>ND         Reporting Limit         Spike Level         Source Result         Rec Limits         Rep Reporting Mg/kg         Spike mg/kg         Source Result         Rec Result         Rec Mg/kg         Rep Mg/kg         Rep Mg/kg         Rec Mg/kg         Re</td><td>Project Number:       01058-0007         Project Manager:       Ashley Giovengo         Volatile Organics by EPA 8021B         Result       Reporting mg/kg       Spike mg/kg       Source mg/kg       Rec %       Rec %       RPD %       RPD Limit         mg/kg       mg/kg       mg/kg       mg/kg       mg/kg       %       %       %         ND       0.0250               ND       0.0250               ND       0.0250</td></td<>	Project Number:         01058-0007           Project Manager:         Ashley Giovengo           Volatile Organics by EPA 8021B         Rec           Result         Reporting Umit         Spike Level         Source Result         Rec         Rec           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         mb         ND         %           ND         0.0250         season         season         season           A.70         0.0250         5.00         94.0         70-130           4.70         0.0250         5.00         94.2         70-130           4.72         0.0250         5.00         94.3         70-130           4.72         0.0250         5.00         94.9         70-130	ND         Reporting Limit         Spike Level         Source Result         Rec Limits         Rep Reporting Mg/kg         Spike mg/kg         Source Result         Rec Result         Rec Mg/kg         Rep Mg/kg         Rep Mg/kg         Rec Mg/kg         Re	Project Number:       01058-0007         Project Manager:       Ashley Giovengo         Volatile Organics by EPA 8021B         Result       Reporting mg/kg       Spike mg/kg       Source mg/kg       Rec %       Rec %       RPD %       RPD Limit         mg/kg       mg/kg       mg/kg       mg/kg       mg/kg       %       %       %         ND       0.0250               ND       0.0250               ND       0.0250



## **QC Summary Data**

		Y VY	/u11111	ary Date					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manage	:	Boundary Raide 01058-0007 Ashley Gioveng		2			<b>Reported:</b> 12/30/2024 2:46:40PM
	No	nhalogenated	Organic	s by EPA 80	15D - G	RO			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 (2451086-BLK1)							Prepared: 1	2/20/24 A	nalyzed: 12/20/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			
LCS (2451086-BS2)							Prepared: 1	2/20/24 A	nalyzed: 12/21/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		95.9	70-130			
LCS Dup (2451086-BSD2)							Prepared: 1	2/20/24 A	nalyzed: 12/21/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130	3.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			



## **QC Summary Data**

		QC DI	umm	laly Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		Boundary Raider 01058-0007 Ashley Giovengo		2			<b>Reported:</b> 12/30/2024 2:46:40PM
	Nonh	alogenated Orga	anics b	y EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2451093-BLK1)							Prepared: 1	2/20/24 A	Analyzed: 12/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.2		50.0		104	50-200			
LCS (2451093-BS1)							Prepared: 1	2/20/24 A	Analyzed: 12/20/24
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike (2451093-MS1)				Source: H	2412164-	08	Prepared: 1	2/20/24 A	Analyzed: 12/20/24
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			
Matrix Spike Dup (2451093-MSD1)				Source: F	2412164-	08	Prepared: 1	2/20/24 A	Analyzed: 12/20/24
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	1.70	20	
Surrogate: n-Nonane	50.9		50.0		102	50-200			



## **QC Summary Data**

		•		e					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number		Boundary Raide	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager		Ashley Gioveng	go				12/30/2024 2:46:40PM
		Anions	by EPA	300.0/90564	4				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2451087-BLK1)							Prepared: 12	2/20/24 <i>I</i>	Analyzed: 12/20/24
Chloride	ND	20.0							
LCS (2451087-BS1)							Prepared: 12	2/20/24 A	Analyzed: 12/20/24
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2451087-BSD1)							Prepared: 12	2/20/24 A	Analyzed: 12/20/24
Chloride	251	20.0	250		101	90-110	0.969	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/24 14:46

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.



## WO# 21457702

#### **Chain of Custody**

Sampled         12/14           11:43         12/14           11:56         12/14           11:56         12/14           12:24         12/14           12:36         12/14           12:43         12/14           12:36         12/14           12:43         12/14           12:43         12/14           12:44         12/14	n ndary Raio ager: Ashl 22 Nationa p: Carlsba 988-0055	ley Giove al Parks I ad NM, 8	B 2 engo Hwy 38220	Sample	Adu City Pho Emi Misc	mpany: De dress: 531 y, State, Zip ne: (575)6 ail: jim.rale cellaneous:	evon 5 Buena o: Carls 89-7597 ey@dvn	bad NM, 882 7 com			Lab V E 4	8015	<u>4</u>	61	o Num 5 S 5 S nalysis	-00	67		TA 2D	3D (	×	X	Si A CO PA Pro CW	ogram	RCRA
Project:         Boun           Project Manage         Address:         3122           City, State, Zip         Phone:         575-93           Email:         agiover         -           Time         Sampled         Date S           11:43         12/14         11:43           11:43         12/14         11:49           11:56         12/14         12/14           12:24         12/14         12/14           12:36         12/14         12/14           12:43         12/14         12/14           12:47         12/14         12/14           13:10         12/14         12/14	ndary Raid ager: Ashl 22 Nationa p: Carlsba 988-0055 engo@en: ************************************	ley Giove al Parks I ad NM, 8 solum.cc Matrix S S S S	engo Hwy 38220 Dm No. of Containers 1 1	Sample	Adu City Pho Emi Misc	dress: 531: y, State, Zip ne: (575)6 ail: jim.rale cellaneous: m Sample ID	5 Buena o: Carls 89-7597 ev@dvn	bad NM, 882 7 com ey			Lab V E 4	<u>1216</u>		61	850	-00	67		2D		×	E	PA Pro	ogram	RCRA
Project:         Boun           Project Manage         Address:         3122           City, State, Zip         Phone:         575-93           Email:         agiover         -           Time         Sampled         Date S           11:43         12/14         11:43           11:43         12/14         11:49           11:56         12/14         12/14           12:24         12/14         12/14           12:36         12/14         12/14           12:43         12/14         12/14           12:47         12/14         12/14           13:10         12/14         12/14	ndary Raid ager: Ashl 22 Nationa p: Carlsba 988-0055 engo@en: ************************************	ley Giove al Parks I ad NM, 8 solum.cc Matrix S S S S	engo Hwy 38220 Dm No. of Containers 1 1	Sample	e Informatio	y, <u>State</u> , Zi <u>r</u> ne: (575)6 ail: jim.rale cellaneous: on Sample ID	o: Carls 89-7597 ey@dvn	bad NM, 882 7 com ey			<u>Еч</u>	<u>1216</u>		61	850	-00	67				×	E	PA Pro	ogram	RCRA
Troject Manag           Address: 3122           City, State, Zip           Phone: 575-93           Email: agiover           Time           Sampled           Date 5           11:43           12/13           11:49           12:24           12:36           12/13           12:43           12:43           12:47           12:47           12:10	ager: Ashi 22 Nationa p: Carlsba 988-0055 engo@en: a Sampled '18/2024 '18/2024 '18/2024 '18/2024	ley Giove al Parks I ad NM, 8 solum.cc Matrix S S S S	engo Hwy 38220 Dm No. of Containers 1 1	Sample	e Informatio	y, <u>State</u> , Zi <u>r</u> ne: (575)6 ail: jim.rale cellaneous: on Sample ID	o: Carls 89-7597 ey@dvn	bad NM, 882 7 com ey				8015											_		
Address:         3122           City, State, Zip         Phone:         575-93           Email:         agiover           Time         Date 5           11:43         12/13           11:49         12/13           11:56         12/13           12:24         12/13           12:36         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13	22 Nationa p: Carlsb: 988-0055 engo@ens e Sampled '18/2024 '18/2024 '18/2024 '18/2024 '18/2024	Al Parks I ad NM, 8 solum.cc Matrix S S S S	Hwy 38220 Dm No. of Containers 1 1	Sample	e Informatio	ail: jim.rale cellaneous: m Sample ID	ev@dvn	ey						Ar	alysis	and	Met	hod					_		
Phone:         575-91           mail:         agiover           Time Sampled         Date 3           11:43         12/13           11:49         12/13           11:56         12/13           12:24         12/13           12:36         12/13           12:43         12/13           12:47         12/13           13:10         12/13	988-0055 engo@en: e Sampled '18/2024 '18/2024 '18/2024 '18/2024	solum.cc Matrix S S S	No. of Containers 1 1	Sample	e Informatio	cellaneous: on Sample ID		ey					1										_		
Time Sampled         Date 5           11:43         12/11           11:49         12/11           11:56         12/11           12:24         12/11           12:36         12/11           12:43         12/11           12:47         12/11           13:10         12/11	engo@ens = Sampled '18/2024 '18/2024 '18/2024 '18/2024	solum.cc Matrix S S S	No. of Containers	Sample	e Informatio	cellaneous: on Sample ID		ey																	r N
Time Sampled         Date 5           11:43         12/11           11:49         12/11           11:56         12/11           12:24         12/11           12:36         12/11           12:43         12/11           12:47         12/11           13:10         12/11	e Sampled '18/2024 '18/2024 '18/2024 '18/2024	Matrix S S S	No. of Containers	Sample		Sample ID																			r N
Sampled         Date 5           11:43         12/13           11:49         12/13           11:56         12/13           12:24         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13           13:10         12/13	18/2024 18/2024 18/2024 18/2024	S S S	Containers 1 1	Sample		Sample ID																omplia	nce	YO	
Sampled         Date 5           11:43         12/13           11:49         12/13           11:56         12/13           12:24         12/13           12:43         12/13           12:43         12/13           12:43         12/13           12:43         12/13           13:10         12/13	18/2024 18/2024 18/2024 18/2024	S S S	Containers 1 1	Sample		Sample ID						2 2	3 .	.   _	0	_	×	嵩				PWSID #	1		
Sampled         Date 5           11:43         12/13           11:49         12/13           11:56         12/13           12:24         12/13           12:36         12/13           12:43         12/13           12:43         12/13           12:43         12/13           13:10         12/13	18/2024 18/2024 18/2024 18/2024	S S S	Containers 1 1											826(	30	Ž	5	Met			ſ				
11:49         12/13           11:56         12/13           12:24         12/13           12:36         12/13           12:43         12/13           12:47         12/13           13:10         12/13	'18/2024 '18/2024 '18/2024	S S	1			BH01 - 0'			Field	Lat Num	ıb 1ber	DRO/ORO	eter hu and t	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Rema	arks	
11:56         12/13           12:24         12/13           12:36         12/13           12:43         12/13           12:47         12/13           13:10         12/13	/18/2024 /18/2024	S								1						х									
12:24         12/13           12:36         12/13           12:43         12/13           12:47         12/13           13:10         12/13	18/2024		1			BH01 - 1'				コ	۲					x									
12:36         12/11           12:43         12/11           12:47         12/11           13:10         12/11		s	-			BH01 - 3'				3	<b>}</b> .					х									
12:43         12/1           12:47         12/1           13:10         12/1	/18/2024	- 1	1			BH01 - 5'				Ч						х									
12:47 12/1 13:10 12/1		S	1			BH02 - 0'	_,			5						x									
13:10 12/1	/18/2024	s	1			BH02 - 1'				6						x									
	/18/2024	S	1			BH02 - 3'				7						x							<u> </u>		
	/18/2024	s	1			BH02 - 5'				8	5					x									
13:26 12/1	/18/2024	s	1			BH03 - 0'				9	1					x									
13:30 12/1	/18/2024	s	1			BH03 - 1'		-		)(	0					х									
Additional Ins	struction	s: Plea	se CC: cb	urton@ens	olum.com,	agiovengo	@ensol	um.com, jin	n.raley	@dvn	n.con	n, iesti	ella	Pens	olum.o	com,	bdea	al@ei	nsolu	ım, c	hami	lton@e	nsolur	n.com	,
osimmons@e																									
, (field sampler), at	attest to the v	validity and	authenticity	of this sample.	I am aware that	tampering with	h or intent	ionally mislabelir	ng the sa	mple loc	cation,	date or t	ime of	collect	ion is co	nsidere	d frau	d and n	nay be	ground	ds for le	egal action	i.		
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	11e G 0	onzal		19.24	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	Received by:	<u> </u>		Date N	<u>.(q. 1</u>	24		00			Rece	ived	on io	:e:		b Use )/ N	Only			
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Relinquished by:	/: (Signature	2)	Date	- YTir	me	Received by:	: (Signatu	re)	Date			lime				AVG									
Sample Matrix: S - S										tainer	_	_	_				_	_	_						
Note: Samples ar																	clien	t expe	nse. 1	The rep	port fo	or the ana	ilysis of	the abo	ve
samples is applic	icable only t	to those sa	imples rece	ived by the la	coratory with	this CUC. The	e napility o	or the laboratol	ry is lim	ited to 1	the an	nount p	ald to	r on th	e repoi	π.									

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## WO#21457702

Released to Imaging: 6/20/2025 11:07:19 AM

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#### **Chain of Custody**

	wo#2	.195/	102					Chain of	Cus	tody	1														1	Page _
	Clier	nt Inform	nation			In	voice In	ormation				_	Lal	b Us	e On	ly				TA	T	Т			State	
Client: D						pany: D	evon				Lah	WO#	_			Numi	ber		1D	2D	3D	Std	NM		UT	тх
	Boundary Ra	aider 7 C1	B 2			ress: 531		Vista Dr			FH	12	164	۱ I	OK	258	~00	7				x	X	100	<u>                                     </u>	<u></u>
	lanager: Asl							ad NM, 88	220		┝┺┈╹	10				14									L	
	3122 Nation					e: (575)6					[				Ana	lysis	and I	Veti	hod				E	PA P	rogran	n
	e, Zip: Carls					il: jim.ral					1					ί I	T				- 1	-	SDWA		NA	RCRA
	75-988-005					llaneous			1		1											F			-+	
	giovengo@e		om		]			•				ŋ	5					1				1	Complian	nce	Y	or N
					-			5	]		-	8015	8015			9	_	×	-2			Γ	PWSID #	1		
				Sample	Information	1						Å Q	ه ه	802	8260	8 No	₹.	2-1	Met			- F				
Time Sampled	Date Sampled	Matrix	No. of Containers		Si	ample ID			Field	L Nul Nul	ab nber	DRO/ORO I	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Ren	narks	
13:35	12/18/2024	s	1		В	H03 - 3'				1	_						X									Page TX n RCRA or
13:59	12/18/2024	s	1		В	H04 - 0'				1	2						x									
14:03	12/18/2024	s	1		В	H04 - 1'				1	3						x									
14:08	12/18/2024	s	1		В	H04 - 3'				10	1						X									
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	al Instructio ns@ensolum		ase CC: cl	burton@ensc	oium.com, a	giovengo	wensol	um.com, jin	n.rale	y@d\	/n.cor	n, ies	strell	a@e	Insol	um.c	om, I	oaea	al@el	150((	um, C	nami	iton@e	ensoli	um.co	m,
, (field sam	oler), attest to the	e validity and	dauthenticity	y of this sample. I	am aware that ta	ampering wit	th or intent	onally mislabeli	ng the s	ample l	ocation	, date d	or time	of col	llection	n is cor	sidered	d frau	d and n	nay be	groun	ds for l	egal action	ı.		
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Relinquish	ed by: (Signatur	re)	Date	-/ 19/24 9	s:20	leceived by	elle C	Jonzale	S Dat	1-19	24	Time 6	80	S				d or re	ceived p				t be received			
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h	ed by: (Signatu			·19.24 2	300		<u>10.5</u>	0+0		2-20	-29		300	5			<u>T1</u>				<u>T2</u>			<u>T3</u>		
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## **Envirotech Analytical Laboratory**

Client:	Devon Energy - Carlsbad De	ate Received:	12/20/24	08:00		Work Order ID:	E412164
Phone:	(505) 382-1211 Da	ate Logged In:	12/19/24	16:21		Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com D	ue Date:	12/31/24	17:00 (4 day TAT)			
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Co	ourier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
Sample '	Turn Around Time (TAT)			Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling visible ice, record the temperature. Actual sample ter	ceived w/i 15	Yes				
Sample	Container						
	aqueous VOC samples present?		No				
15. Are V	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 containers	s collected?	Yes				
Field La	<u>ıbel</u>						
	e field sample labels filled out with the minimum inform	ation:	_				
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes	-			
	Preservation_		No				
	the COC or field labels indicate the samples were prese	erved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved meta	als?	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
	s, does the COC specify which phase(s) is to be analyzed		NA				
<u>.</u> Subcont	tract Laboratory_						
	samples required to get sent to a subcontract laboratory?		No				
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab:	NA		
	Instruction						

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







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: E

Boundary Raider 7 CTB 2

Work Order: E412179

Job Number: 01058-0007

Received: 12/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/2/25

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: 1/2/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E412179 Date Received: 12/23/2024 8:30:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/23/2024 8:30:00AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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Sample	Summary
Sampie	Summary

		Sample Sum	illal y		
Devon Energy - Carlsbad		Project Name:	Boundary Raider 7	CTB 2	Reported:
6488 7 Rivers Hwy		Project Number:	01058-0007		Keporteu.
Artesia NM, 88210		Project Manager:	Ashley Giovengo		01/02/25 14:44
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03 - 4'	E412179-01A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH04 - 4'	E412179-02A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH01 - 7'	E412179-03A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 7'	E412179-04A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 9'	E412179-05A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 11'	E412179-06A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 13'	E412179-07A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 15'	E412179-08A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.
BH02 - 17'	E412179-09A	Soil	12/19/24	12/23/24	Glass Jar, 2 oz.



	D	ampic D					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manaş	oer: 0103	ndary Raide 58-0007 ley Gioveng		2		<b>Reported:</b> 1/2/2025 2:44:18PM
		BH03 - 4'					
		E412179-01					
		Reporting					
Analyte	Result	Limit	Dilut	ion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	Analyst: S	L		Batch: 2452004
Benzene	ND	0.0250	1		12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1		12/23/24	12/23/24	
Toluene	ND	0.0250	1		12/23/24	12/23/24	
o-Xylene	ND	0.0250	1		12/23/24	12/23/24	
p,m-Xylene	ND	0.0500	1		12/23/24	12/23/24	
Total Xylenes	ND	0.0250	1		12/23/24	12/23/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130		12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: S	L		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1		12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130		12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: N	v		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1		12/23/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1		12/23/24	12/31/24	
Surrogate: n-Nonane		105 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D	Т		Batch: 2452015
Chloride	85.7	20.0	1		12/23/24	12/23/24	

## Sample Data



#### Sample Data

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	56	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010	ndary Raider 7 CT 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 1/2/2025 2:44:18PM
		BH04 - 4'				
	-	E412179-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24	
Toluene	ND	0.0250	1	12/23/24	12/23/24	
p-Xylene	ND	0.0250	1	12/23/24	12/23/24	
o,m-Xylene	ND	0.0500	1	12/23/24	12/23/24	
Fotal Xylenes	ND	0.0250	1	12/23/24	12/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
Surrogate: n-Nonane		102 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2452015
Chloride	44.1	20.0	1	12/23/24	12/23/24	



#### Sample Data

	5	ampic D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 010	ndary Raider 7 C 58-0007 ley Giovengo	TB 2		<b>Reported:</b> 1/2/2025 2:44:18PM
		BH01 - 7'				
		E412179-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24	
Toluene	ND	0.0250	1	12/23/24	12/23/24	
p-Xylene	ND	0.0250	1	12/23/24	12/23/24	
o,m-Xylene	ND	0.0500	1	12/23/24	12/23/24	
Fotal Xylenes	ND	0.0250	1	12/23/24	12/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
Surrogate: n-Nonane		100 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: DT		Batch: 2452015
Chloride	36.0	20.0	1	12/23/24	12/23/24	

#### Sample Data

	5	ample D	ala				
Devon Energy - Carlsbad	Project Name:	Bou	ndary Raider 7 Cl	ГВ 2			
6488 7 Rivers Hwy	Project Number		58-0007			Reported:	
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo	1/2/2025 2:44:18PM			
		BH02 - 7'					
		E412179-04					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: SL			
Benzene	ND	0.0250	1	12/23/24	12/23/24		
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24		
foluene	ND	0.0250	1	12/23/24	12/23/24		
p-Xylene	ND	0.0250	1	12/23/24	12/23/24		
o,m-Xylene	ND	0.0500	1	12/23/24	12/23/24		
Fotal Xylenes	ND	0.0250	1	12/23/24	12/23/24		
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	12/23/24	12/23/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2452004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	12/23/24	12/23/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2452016	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24		
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24		
Surrogate: n-Nonane		106 %	50-200	12/23/24	12/31/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2452015	
Chloride	3160	40.0	2	12/23/24	12/23/24		



#### Sample Data

	5	ample D	ala			
Devon Energy - Carlsbad	Project Name		ndary Raider 7 C	ГВ 2		
6488 7 Rivers Hwy	Project Numb		58-0007			Reported:
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo			1/2/2025 2:44:18PM
		BH02 - 9'				
		E412179-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24	
Toluene	ND	0.0250	1	12/23/24	12/23/24	
p-Xylene	ND	0.0250	1	12/23/24	12/23/24	
o,m-Xylene	ND	0.0500	1	12/23/24	12/23/24	
Fotal Xylenes	ND	0.0250	1	12/23/24	12/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
Surrogate: n-Nonane		95.0 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2452015
Chloride	5010	40.0	2	12/23/24	12/23/24	



#### Sample Data

	DC	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Numbe		ndary Raider 7 C 58-0007	TB 2		Reported:
Artesia NM, 88210	Project Manag		ley Giovengo			1/2/2025 2:44:18PM
		BH02 - 11'				
		E412179-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24	
Toluene	ND	0.0250	1	12/23/24	12/23/24	
p-Xylene	ND	0.0250	1	12/23/24	12/23/24	
o,m-Xylene	ND	0.0500	1	12/23/24	12/23/24	
Fotal Xylenes	ND	0.0250	1	12/23/24	12/23/24	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
Surrogate: n-Nonane		113 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2452015
Chloride	4920	40.0	2	12/23/24	12/23/24	



#### Sample Data

	D <b>c</b>	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Numbe		ndary Raider 7 C 58-0007	TB 2		Reported:
Artesia NM, 88210	Project Manag		ley Giovengo			1/2/2025 2:44:18PM
		BH02 - 13'				
		E412179-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/23/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/23/24	
Toluene	ND	0.0250	1	12/23/24	12/23/24	
-Xylene	ND	0.0250	1	12/23/24	12/23/24	
,m-Xylene	ND	0.0500	1	12/23/24	12/23/24	
Total Xylenes	ND	0.0250	1	12/23/24	12/23/24	
urrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/23/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	12/23/24	12/23/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
urrogate: n-Nonane		101 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2452015
Chloride	3440	40.0	2	12/23/24	12/23/24	



## Sample Data

	56	ampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010:	ndary Raider 7 CT 58-0007 ley Giovengo	°B 2		<b>Reported:</b> 1/2/2025 2:44:18PM
	-	BH02 - 15'				
		E412179-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: SL		Batch: 2452004
Benzene	ND	0.0250	1	12/23/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/24/24	
Toluene	ND	0.0250	1	12/23/24	12/24/24	
p-Xylene	ND	0.0250	1	12/23/24	12/24/24	
o,m-Xylene	ND	0.0500	1	12/23/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/23/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	12/23/24	12/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: SL		Batch: 2452004
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	12/23/24	12/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	01/01/25	
Dil Range Organics (C28-C36)	ND	50.0	1	12/23/24	01/01/25	
Surrogate: n-Nonane		106 %	50-200	12/23/24	01/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: DT		Batch: 2452015
Chloride	3580	40.0	2	12/23/24	12/23/24	



#### Sample Data

5	r: 0103	58-0007		B 2		<b>Reported:</b> 1/2/2025 2:44:18PM
]	BH02 - 17'					
]	E412179-09					
	Reporting					
Result	Limit	Dil	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst	SL		Batch: 2452004
ND	0.0250		1	12/23/24	12/24/24	
ND	0.0250		1	12/23/24	12/24/24	
ND	0.0250		1	12/23/24	12/24/24	
ND	0.0250		1	12/23/24	12/24/24	
ND	0.0500		1	12/23/24	12/24/24	
ND	0.0250		1	12/23/24	12/24/24	
	90.3 %	70-130		12/23/24	12/24/24	
mg/kg	mg/kg		Analyst:	SL		Batch: 2452004
ND	20.0		1	12/23/24	12/24/24	
	92.8 %	70-130		12/23/24	12/24/24	
mg/kg	mg/kg		Analyst	NV		Batch: 2452016
ND	25.0		1	12/23/24	01/01/25	
ND	50.0		1	12/23/24	01/01/25	
	108 %	50-200		12/23/24	01/01/25	
mg/kg	mg/kg		Analyst	DT		Batch: 2452015
2290	20.0		1	12/23/24	12/23/24	
	Project Number Project Manage Result Mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number:     0102       Project Manager:     Ash       BH02 - 17'     E412179-09       E412179-09     E412179-09       Result     Eunit       Result     Limit       mg/kg     mg/kg       MD     0.0250       ND     20.00       90.3 %     100       Mg/kg     mg/kg       MD     25.0       ND     50.0       ND     50.0	Project Number:       01058-0007         Project Manager:       Ashley Giover         BH02 - 17'       E         E412179-09       E         Result       Limit       Dil         mg/kg       mg/kg       M         MD       0.0250       Dil         ND       0.0250       Dil         MD       0.0250       Dil         MD       20.0       Dil         MD       20.0       Dil         MD       25.0       Dil         ND       25.0       Dil         ND       50.0       Dil         MD       50.0       Dil         MD       50.0       Dil         MD       50.0       Dil         MD       50.0	Project Number:       01058-0007         Project Manager:       Ashley Giovengo         BH02 - 17'         E412179-09         Reporting         Reporting         Result       Limit       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         Mg/kg       mg/kg       Analyst         MD       20.0       1         ND       25.0       1         ND       25.0       1         ND       50.0       1         ND       50.200       1         Mg/kg       Mg/kg       Analyst	Project Number:       01058-0007 Ashley Giovengo         Project Manager:       Ashley Giovengo         BH02 - 17'       E4         BH02 - 17'       E4         E412179-09       Dilution       Prepared         Result       Limit       Dilution       Prepared         MD       0.0250       1       12/23/24         ND       0.0250       1       12/23/24         MD       20.0       1       12/23/24         MD       20.0       1       12/23/24         MD       20.0       1       12/23/24         MD       25.0       1       12/23/24         ND       25.0       1       12/23/24         ND <th< td=""><td>Project Number:       01058-0007         Project Manager:       Ashley Giovengo         BH02 - 17'       E412179-09         E412179-09       Analyzed         Result       Limit       Dilution       Prepared       Analyzed         M2       Mag/kg       Analyzed       12/23/24       12/24/24         MD       0.0250       1       12/23/24       12/24/24         ND       20.0       1       12/23/24       12/24/24         MD       20.0       1       12/23/24       12/24/24         MD       20.0       1       12/23/24       12/24/24         MD       25.0       1       12/23/24       01/01/25</td></th<>	Project Number:       01058-0007         Project Manager:       Ashley Giovengo         BH02 - 17'       E412179-09         E412179-09       Analyzed         Result       Limit       Dilution       Prepared       Analyzed         M2       Mag/kg       Analyzed       12/23/24       12/24/24         MD       0.0250       1       12/23/24       12/24/24         ND       20.0       1       12/23/24       12/24/24         MD       20.0       1       12/23/24       12/24/24         MD       20.0       1       12/23/24       12/24/24         MD       25.0       1       12/23/24       01/01/25



## **QC Summary Data**

		<b>X</b> U N		ary Duc					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 1058-0007	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager:	А	Ashley Gioveng	go				1/2/2025 2:44:18PM
		Volatile O	rganics	by EPA 802	21B				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 (2452004-BLK1)							Prepared: 1	2/23/24 A	nalyzed: 12/23/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130			
LCS (2452004-BS1)							Prepared: 1	2/23/24 A	analyzed: 12/23/24
Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
p-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.7	70-130			
LCS Dup (2452004-BSD1)							Prepared: 1	2/23/24 A	analyzed: 12/23/24
Benzene	5.49	0.0250	5.00		110	70-130	2.00	20	
Ethylbenzene	5.29	0.0250	5.00		106	70-130	3.01	20	
Toluene	5.41	0.0250	5.00		108	70-130	2.45	20	
p-Xylene	5.27	0.0250	5.00		105	70-130	2.38	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	3.05	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	2.83	20	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		90.9	70-130			



## **QC Summary Data**

		QU N	Junn						
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number	:	Boundary Raido 01058-0007	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manage	r:	Ashley Gioveng	go				1/2/2025 2:44:18PM
	No	onhalogenated	Organic	s by EPA 80	15D - G	RO			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 (2452004-BLK1)							Prepared: 1	2/23/24	Analyzed: 12/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
LCS (2452004-BS2)							Prepared: 1	2/23/24	Analyzed: 12/23/24
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			
LCS Dup (2452004-BSD2)							Prepared: 1	2/23/24	Analyzed: 12/23/24
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.7	70-130	8.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.6	70-130			



## **QC Summary Data**

		QU D	u 11111	lary Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		Boundary Raider 01058-0007 Ashley Giovengo	7 CTB 2	2			<b>Reported:</b> 1/2/2025 2:44:18PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2452016-BLK1)							Prepared: 1	2/23/24 A	analyzed: 12/31/24
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			
LCS (2452016-BS1)							Prepared: 1	2/23/24 A	analyzed: 12/31/24
Diesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			
Matrix Spike (2452016-MS1)				Source: E	412176-	03	Prepared: 1	2/23/24 A	analyzed: 01/02/25
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			
Matrix Spike Dup (2452016-MSD1)				Source: E	412176-	03	Prepared: 1	2/23/24 A	analyzed: 01/02/25
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	38-132	16.5	20	
Surrogate: n-Nonane	62.1		50.0		124	50-200			



## **QC Summary Data**

		-		v					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide )1058-0007	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager		Ashley Gioveng	go				1/2/2025 2:44:18PM
		Anions	by EPA	300.0/9056	۱				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 (2452015-BLK1)							Prepared: 12	2/23/24 A	Analyzed: 12/23/24
Chloride	ND	20.0							
LCS (2452015-BS1)							Prepared: 12	2/23/24 A	Analyzed: 12/23/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2452015-BSD1)							Prepared: 12	2/23/24 A	Analyzed: 12/23/24
Chloride	255	20.0	250		102	90-110	0.872	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/02/25 14:44

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.



## W0# 21457702

#### **Chain of Custody**

	Clier	nt Inform	ation	1	Invoice Inform	ation				La	b Us	e On	ly				TAT		State
lient: D	)evon				Company: Devon			La	b WO	ŧ		Jobl	Num	ber	N.	1D 2	D 3D	Std	NM CO UT TX
roject:	Boundary Ra	ider 7 CT	В 2	1	Address: 5315 Buena Vist	a Dr			412	179		00	58-	000	2			X	X
oject N	Aanager: Ash	ley Giov	engo	1	City, State, Zip: Carlsbad N	IM, 882	20					Sel.		200	1500	in the			Second and setsing of
dress:	3122 Nation	al Parks	Hwy	-	Phone: (575)689-7597			_		12		Ana	lysis	and I	Meth	nod			EPA Program
y, Stat	e, Zip: Carlsl	oad NM,	88220		Email: jim.raley@dvn.com				1	201									SDWA CWA RCRA
one:	575-988-0055	5			Miscellaneous: Jim Raley			1										[	
ail: a	giovengo@ei	nsolum.c	om						8015	8015									Compliance Y or N
NO.S.		N M	1000						by 80		21	0	0.0	5	ž	tals			PWSID #
				Sample Info	rmation		1 1		ROH	ROF	y 80.	/ 826	le 30	Z	- 500	Me			-
Time ampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field Filter	Lab Numbe	er DRO/ORO	GRO/DRO by	BTEX by 802:	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Page
9:26	12/19/2024	S	1		BH03 - 4' 🔹			1						x					
9:29	12/19/2024	S	1		BH04 - 4' 🔹			2						х					
10:31	12/19/2024	Z	T		BHOL 6' CB									x					
10:34	12/19/2024	S	1		BH01 - 7' 🦻			3						x					
10:41	12/19/2024	S	1		BH02 - 7' 🔹			4						x					
11:29	12/19/2024	S	1		BH02 - 9' 🔹			5						х					
11:52	12/19/2024	S	1		BH02 - 11' 🥏			6						x					*
L2:15	12/19/2024	S	1		BH02 - 13' 💧			7			-			х					
12:44	12/19/2024	S	1		BH02 - 15' 🔹			8						х					-
13:19	12/19/2024	S	1		BH02 - 17' 🔹	1		9						x					
dditior	al Instructio	ns: Plea	ase CC: cb	urton@ensolum	.com, agiovengo@ensolum.c	om, jim	.raley@	dvn.d	com, ie	strel	la@e	ensol	um.c	om, l	bdea	l@en	solum, o	cham	ilton@ensolum.com,
simmo	ns@ensolum	.com		52			1943	4	558		- 230			15			1.52		
field sam	pler), attest to the	validity and	authenticity	of this sample. I am a	vare that tampering with or intentionally	mislabelin	g the sam	ple locat	tion, date	or time	e of co	llection	n is cor	sidere	d fraud	d and m	ay be grour	nds for	legal action.
	: Bowan Simmons																		
linguish	ed by: (Signatur	e)	Date	120/24 1140	Received by: Signature)	sales	Date	10-24	Time	UD			and the second second						st be received on ice the day they are temp above 0 but less than 6 °C on
hingulich	ed by: (Signatur	· ~ )	Date	Time	Received by: Signature)	yny	Date	u di	Time	90				subseni	uent da	ivs	1:	abilic	e Only
Mie	10 1 151 1	onad		20-24 161				20.1	14	17	00		12:14	Reco	havia	on ice	-	D/N	
elinquish	ed by: (Signatur		Date	Time	Received by: (Signature)		Date		Time	11	00	12		nece	iveu	Unice	. 0	/ 14	
11	JM	-,	12.	20.24 24			0.2	13-24	10	830	6	21	3	Т1			T2		T3
linguish	ed by: (Signatur	e)	Date	Time	Received by: (Signature)		Date		Time	- /					- 18		1.	12%	
												14		AVG	Tem	p°C_	4		
mple Ma	trix: <b>S</b> - Soil, <b>Sd</b> - S	olid, <b>Sg</b> - Slu	dge, <b>A</b> - Aque	ous, <b>0</b> - Other			Conta	ainer T	ype:g-	glass	, <b>p</b> - p	oly/p	olasti	c, ag -	amb	er glas	s, v - VO	A	
	A second s				s other arrangements are made. Haz										clien	t exper	se. The re	eport f	or the analysis of the above
amples is	applicable only	to those s	amples rece	ived by the laborato	ry with this COC. The liability of the l	aborator	/ is limite	ed to th	ie amou	nt paic	i tor o	n the	repor	t.					

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad Da	ate Received:	12/23/24 0	8:30	Work Order ID:	E412179
Phone:		ate Logged In:	12/23/24 0		Logged In By:	Noe Soto
Email:		ue Date:		7:00 (4 day TAT)	Logged in Dy.	1.00 5010
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes	Carrier. <u>Courier</u>		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	·	Yes		Commer	its/Resolution
Sample '	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tł	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
12. Was ti	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re	·	Yes			
	minutes of sampling	10	~			
13. If no	o visible ice, record the temperature. Actual sample ter	nperature: $4^{\circ}$	<u>C</u>			
	Container					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?	11 / 10	Yes			
18. Are 1 19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes Yes			
<ol> <li>18. Are 1</li> <li>19. Is the</li> <li>Field La</li> </ol>	e appropriate volume/weight or number of sample containers abel					
<ol> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	e appropriate volume/weight or number of sample containers a <u>bel</u> e field sample labels filled out with the minimum inform		Yes			
18. Are 1 19. Is the Field La 20. Were	e appropriate volume/weight or number of sample containers a <u>bel</u> e field sample labels filled out with the minimum inform Sample ID?		Yes Yes			
18. Are n 19. Is the Field La 20. Were S	e appropriate volume/weight or number of sample containers a <u>bel</u> e field sample labels filled out with the minimum inform		Yes			
18. Are r 19. Is the Field La 20. Were S I	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes Yes			
18. Are r 19. Is the Field La 20. Were S I C Sample	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?	ation:	Yes Yes Yes			
18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes No			
18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation: erved?	Yes Yes No No			
18. Are n 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	Yes Yes No No NA			
18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab Multiph	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ation: erved? ıls?	Yes Yes No No NA			
<ul> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>Sample</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lat</li> <li>Multiph</li> <li>26. Does</li> </ul>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta mase Sample Matrix	ation: prved? als?	Yes Yes No No NA No			
<ul> <li>18. Are r</li> <li>19. Is the Field La</li> <li>20. Were S</li> <li>20. Were S</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lab</li> <li>Multiph</li> <li>26. Does</li> <li>27. If yes</li> </ul>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>mase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ation: prved? als?	Yes Yes No No NA No			
<ul> <li>18. Are r</li> <li>19. Is the Field La</li> <li>20. Were S</li> <li>20. Were S</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lab</li> <li>Multiph</li> <li>26. Does</li> <li>27. If yes</li> <li>Subcont</li> </ul>	e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>mase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? is, does the COC specify which phase(s) is to be analyzed	ation: erved? ils? d?	Yes Yes No No NA No			

Date



envirotech Inc.

Released to Imaging: 6/20/2025 11:07:19 AM





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 7 CTB 2

Work Order: E501233

Job Number: 01058-0007

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/5/25

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: 2/5/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E501233 Date Received: 1/31/2025 5:30:49AM

Ashley Giovengo,



Page 108 of 244

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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
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Received by OCD: 4/14/2025 2:15:40 PM			Page 1	10 of 244
	Sample Sum	mary		
Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Deported	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:	

Artesia NM, 88210		Project Manager:	Ashley Giovengo		02/05/25 08:07
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02-20'	E501233-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH02-23.5'	E501233-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
BH02-25'	E501233-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.



	~	ampic D				
Devon Energy - Carlsbad	Project Name					
6488 7 Rivers Hwy	Project Numb	ber: 0103	58-0007		Reported:	
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo	o	2/5/2025 8:07:26AM	
		BH02-20'				
		E501233-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analyst: SL			Batch: 2505124
Benzene	ND	0.0250	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	01/31/25	01/31/25	
p-Xylene	ND	0.0250	1	01/31/25	01/31/25	
o,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130	01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	01/31/25	01/31/25	
Surrogate: Toluene-d8		95.5 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: SL	Batch: 2505124	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130	01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	01/31/25	01/31/25	
Surrogate: Toluene-d8		95.5 %	70-130	01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/OR	O mg/kg	mg/kg	А	analyst: AF		Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Dil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane		117 %	61-141	01/31/25	02/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: DT		Batch: 2505131
Chloride	7990	100	5	01/31/25	01/31/25	

# Sample Data



# Sample Data

	56	ampie D	uu				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010:	ndary Raio 58-0007 ley Giover		<b>Reported:</b> 2/5/2025 8:07:26AM		
	]	BH02-23.5'					
		E501233-02					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	*			<u> </u>	Batch: 2505124
Benzene	ND	0.0250	1 01/31/25		01/31/25	Date: 12000121	
Ethylbenzene	ND	0.0250		1	01/31/25	01/31/25	
Toluene	ND	0.0250		1	01/31/25	01/31/25	
p-Xylene	ND	0.0250		1	01/31/25	01/31/25	
o,m-Xylene	ND	0.0500		1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250		1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8		93.4 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2505124
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		95.1 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8		93.4 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0		1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	01/31/25	02/01/25	
Surrogate: n-Nonane		116 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2505131
Chloride	1450	20.0		1	01/31/25	01/31/25	



Sample Data	Sam	ple	Data	
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		impic D					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010:	ndary Raido 58-0007 ley Gioveng	<b>Reported:</b> 2/5/2025 8:07:26AM			
		BH02-25'					
		E501233-03					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analyst: SL				Batch: 2505124
Benzene	ND	0.0250	1	1	01/31/25	01/31/25	
Ethylbenzene	ND	0.0250	1	1	01/31/25	01/31/25	
Toluene	ND	0.0250	1	1	01/31/25	01/31/25	
o-Xylene	ND	0.0250	1	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		97.0 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8		98.2 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	L		Batch: 2505124
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	01/31/25	01/31/25	
Surrogate: Bromofluorobenzene		97.0 %	70-130		01/31/25	01/31/25	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		01/31/25	01/31/25	
Surrogate: Toluene-d8		98.2 %	70-130		01/31/25	01/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: A	Æ		Batch: 2505161
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	1	01/31/25	02/01/25	
Surrogate: n-Nonane		114 %	61-141		01/31/25	02/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2505131
Chloride	91.4	20.0	1	1	01/31/25	01/31/25	



# **QC Summary Data**

Deven Frances, Contains 1		D I IN	п	D . 1	TOTD 2				
Devon Energy - Carlsbad		Project Name:	-						Reported:
6488 7 Rivers Hwy	Project Number: 01058-0007								
Artesia NM, 88210		Project Manager:	As	hley Gioveng	<u>jo</u>			2	2/5/2025 8:07:26AM
	V	olatile Organic	Compo	inds by EF	PA 8260B				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 (2505124-BLK1)						I	Prepared: 0	1/30/25 An	alyzed: 01/30/25
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: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			
LCS (2505124-BS1)						I	Prepared: 0	1/30/25 An	alyzed: 01/30/25
Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.64	0.0250	2.50		105	70-130			
Toluene	2.90	0.0250	2.50		116	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.23	0.0500	5.00		105	70-130			
Total Xylenes	7.80	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130			
LCS Dup (2505124-BSD1)						I	Prepared: 0	1/30/25 An	alyzed: 01/30/25
Benzene	2.62	0.0250	2.50		105	70-130	1.19	23	
Ethylbenzene	2.56	0.0250	2.50		103	70-130	2.79	27	
Toluene	2.54	0.0250	2.50		102	70-130	13.4	24	
o-Xylene	2.51	0.0250	2.50		100	70-130	2.44	27	
p,m-Xylene	5.03	0.0500	5.00		101	70-130	4.00	27	
Total Xylenes	7.54	0.0250	7.50		100	70-130	3.48	27	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
	0.470		0.500						



# **QC Summary Data**

		QU N	umm							
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		Boundary Raide 01058-0007 Ashley Gioveng		2			<b>Reported:</b> 2/5/2025 8:07:26AM	
Nonhalogenated Organics by EPA 8015D - GRO									Analyst: SL	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
					70	70	70	70	Notes	
Blank (2505124-BLK1)							Prepared: 0	1/30/25 A	nalyzed: 01/30/25	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130				
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130				
LCS (2505124-BS2)							Prepared: 0	1/30/25 A	nalyzed: 01/30/25	
Gasoline Range Organics (C6-C10)	55.4	20.0	50.0		111	70-130				
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130				
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130				
LCS Dup (2505124-BSD2)							Prepared: 0	1/30/25 A	nalyzed: 01/30/25	
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130	5.28	20		
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130				
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130				



# **QC Summary Data**

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Date					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 01058-0007	er 7 CTB 2	2			Reported:
Artesia NM, 88210		Project Manager:	: .	Ashley Gioveng	<u></u> go				2/5/2025 8:07:26AM
	Nonha	logenated Org	anics by	y EPA 8015E	) - 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 (2505161-BLK1)							Prepared: 0	1/31/25 A	analyzed: 02/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.9		50.0		126	61-141			
LCS (2505161-BS1)							Prepared: 0	1/31/25 A	analyzed: 02/01/25
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	57.7		50.0		115	61-141			
Matrix Spike (2505161-MS1)				Source:	E501240-	07	Prepared: 0	1/31/25 A	analyzed: 02/01/25
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	56-156			
Surrogate: n-Nonane	60.4		50.0		121	61-141			
Matrix Spike Dup (2505161-MSD1)				Source:	E501240-	07	Prepared: 0	1/31/25 A	analyzed: 02/01/25
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	3.19	20	
Surrogate: n-Nonane	59.3		50.0		119	61-141			



# **QC Summary Data**

		L L		•					
Devon Energy - Carlsbad		Project Name:		Boundary Raide	r 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:		01058-0007					
Artesia NM, 88210		Project Manager	:	Ashley Gioveng	0				2/5/2025 8:07:26AM
		Anions	by EPA	300.0/9056A	<b>L</b>				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 (2505131-BLK1)							Prepared: 0	1/31/25 A	Analyzed: 01/31/25
Chloride	ND	20.0							
LCS (2505131-BS1)							Prepared: 0	1/31/25 A	Analyzed: 01/31/25
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505131-MS1)				<b>Source: E501228-03</b> Prepared: 01					Analyzed: 01/31/25
Chloride	589	20.0	250	327	105	80-120			
Matrix Spike Dup (2505131-MSD1)				Source:	E501228-0	3	Prepared: 0	1/31/25 A	Analyzed: 01/31/25
Chloride	577	20.0	250	327	99.7	80-120	2.17	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/05/25 08:07

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.



# WO#21457702

**Chain of Custody** 

	Client Information Invoice Information			ation		Lab Use Only				inly			TA	Т	State				
Client: D	evon				Company: Devon Energy		Lab	ab WO# Job Number									NM CO UT TX		
Project:	Bounadry Rai	der 7 CTI	3 2		Address: 5315 Buena Vista	a Dr	E	5012	233		010	58-	000	7		x	×		
Project N	Aanager: Asł	nley Giov	engo		City, State, Zip: Carlsbad N	IM, 88220													
Address:	3122 Nation	al Parks	Hwy		Phone: (575)689-7597						Ana	lysis	and I	Meth	od		E	PA Progr	am
City, Stat	e, Zip: Carls	oad NM,	88220	_	Email: jim.raley@dvn.com												SDWA	CWA	RCRA
Phone:	575-988-0055	5			Miscellaneous: Jim Raley	- 18.97													1 - 1
Email: a	giovengo@er	nsolum.c	om					S	S			1					Complia	nce Y	or N
				DESIGNATION OF				/ 801	/ 8015	-		0.	-	×	s		PWSID #	ŧ	
				Sample Ir	nformation			O pl	(q O	802	8260	300	NN -	1- SC	Meta				
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	Field	Lab Lab	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remark	S
10:35	1/29/2025	S	1		BH02 - 20'		1						x						
10:58	1/29/2025	S	1		BH02 - 23.5'		2						x						
10:58	1/29/2025	S	1		BH02 - 25'		2	-	$\vdash$				х	-					
		5	1				2					_	X		_	_	_		
									-	-									
							Capet.												
							-												
								-	-	$\vdash$		-		-					
						- 1													
							21183	-	-										
						0.0	Maria Maria												
		Die												char	ilton@a				
					lum.com, agiovengo@ensolum.c	om, jim.raie	y@avn.co	л <b>п</b> , іе	estrei	na@e	ensoi	um.c	.om,	Clidi	inton@e	insolum.	com,		
				ensolum.com of this sample. I an	I m aware that tampering with or intentionally	mislabeling the s	ample locatio	on, date	e or tim	ne of co	ollectio	n is coi	nsidere	d frau	d and may b	e grounds fo	or legal actio	n.	
2003	:_Oluwale Aderin	18	,																
Relinquish	ed by: (Signatur	e)	Date	Time	Received by: (Signature)	Date		Time			100	1.14	- C-0-151728-024-7				nust be receive		
Chu	vale A	derin	to 113	30/25 08	Received by: (Signature)	sales 1	-30.25	0	280	22	1 23			d or re uent da		in ice at an a	vg temp above	e 0 but less tha	an 6°C on
Religquish	ed by (Signatur	e)	Date	Time	Received by: (Signature)	Dat	inna	Time	11	2							se Only		
antim	Male Me	and of	8 1-	30.25 10	e30 Junter H.	1	30.2	5	16	30	2		Rece	ived	on ice:	(Y/	N		
Religiouist	ed by: (Signatur	e)	Date	Time	Received by: (Signature)	Date	2	Time			1					~			
Lake	J.H.		1.2	30.23	2330 Mulup 12 He	the F.	31-25	0	53	20			<u>T1</u>	20		<u>T2</u>		<u>T3</u>	
Relinquish	ed by: (Signatur	e)	Date	Time	Received by: (Signature)	Date	9	Time						-	00	1			
c		lid Ca Chu	100 0 0000	and <b>0</b> Other		C0	ntainer Ty	ne. a -	glass	s n - 1	nolv/	nlasti	AVG	Ten	er glass v	- VOA	1		
	trix: <b>S</b> - Soil, <b>Sd</b> - So				nless other arrangements are made. Haz												t for the an	alvsis of th	e above
					ratory with this COC. The liability of the									circi	e experise.		o. the an		
samples is	applicable only	.0 11030 3	anpies rece		the indiana and a sear the indointy of the				pan	1999 1999 1999 1999 1999 1999 1999 199									

Received by OCD: 4/14/2025 2:15:40 PM

Page \_\_\_\_\_ of \_\_\_\_

## **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad Da	te Received:	01/31/25	05:30	Work Order ID:	E501233
Phone:	(505) 382-1211 Da	ate Logged In:	01/30/25	16:00	Logged In By:	Caitlin Mars
Email:		ie Date:	02/06/25	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does 1	the sample ID match the COC?		Yes			
2. Does 1	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample '</u>	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e 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, i.e Note: Thermal preservation is not required, if samples are rec	, ,	Yes			
12 If	minutes of sampling		c			
	visible ice, record the temperature. Actual sample ten	nperature: <u>4</u> -	<u>c</u>			
	<u>Container</u>		N			
	aqueous VOC samples present?		No NA			
	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La		conceted.	105			
	e field sample labels filled out with the minimum information	ation				
	Sample ID?		Yes			
I	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	10	•-			
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?	1-9	NA			
	o filteration required and/or requested for dissolved meta	us <i>?</i>	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?	10	No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA			
<u>Subcont</u>	ract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?		No			
20 11/00	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		

envirotech Inc.

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

Released to Imaging: 6/20/2025 11:07:19 AM

Date





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 7 CTB 2

Work Order: E502281

Job Number: 01058-0007

Received: 2/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/6/25

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: 3/6/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E502281 Date Received: 2/28/2025 4:30:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/28/2025 4:30:00AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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#### **Sample Summary**

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		Sample Sum	mai y		
Devon Energy - Carlsbad		Project Name:	Boundary Raider 7	CTB 2	Reported:
6488 7 Rivers Hwy		Project Number:	01058-0007		Reporteu.
Artesia NM, 88210		Project Manager:	Ashley Giovengo		03/06/25 13:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08-0'	E502281-01A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
SS09-0'	E502281-02A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
SS10-0'	E502281-03A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
FS01-1'	E502281-04A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
FS02-1'	E502281-05A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
FS03-1'	E502281-06A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
FS04-1'	E502281-07A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.
FS05-0.5'	E502281-08A	Soil	02/26/25	02/28/25	Glass Jar, 2 oz.



	~	ampic D				
Devon Energy - Carlsbad	Project Name	e: Bou	ndary Raider	7 CTB 2		
6488 7 Rivers Hwy	Project Num	ber: 0103	58-0007			Reported:
Artesia NM, 88210	Project Mana	ager: Ash	ey Giovengo			3/6/2025 1:28:36PM
		SS08-0'				
		E502281-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2509119
Benzene	ND	0.0250	1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250	1	02/28/25	03/05/25	
Toluene	ND	0.0250	1	02/28/25	03/05/25	
p-Xylene	ND	0.0250	1	02/28/25	03/05/25	
o,m-Xylene	ND	0.0500	1	02/28/25	03/05/25	
Fotal Xylenes	ND	0.0250	1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130	02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/28/25	03/05/25	
Surrogate: Toluene-d8		96.9 %	70-130	02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130	02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	02/28/25	03/05/25	
Surrogate: Toluene-d8		96.9 %	70-130	02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/OR	0 mg/kg	mg/kg	kg Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0	1	02/28/25	03/01/25	
Dil Range Organics (C28-C36)	ND	50.0	1	02/28/25	03/01/25	
Surrogate: n-Nonane		101 %	61-141	02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2509110
Chloride	ND	20.0	1	02/28/25	02/28/25	





# Sample Data

		ampie D	uu				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 0103	ndary Raio 58-0007 ley Giover		B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		SS09-0'					
		E502281-02					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/05/25	
Toluene	ND	0.0250		1	02/28/25	03/05/25	
p-Xylene	ND	0.0250		1	02/28/25	03/05/25	
o,m-Xylene	ND	0.0500		1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		94.8 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		96.6 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		94.8 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		96.6 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Dil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		99.4 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2509110
Chloride	ND	20.0		1	02/28/25	02/28/25	



## Sample Data

	L.	bample D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Nam Project Num Project Mana	ber: 010	ndary Raid 58-0007 ley Gioven		B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		SS10-0'					
		E502281-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/05/25	
Toluene	ND	0.0250		1	02/28/25	03/05/25	
p-Xylene	ND	0.0250		1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500		1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.7 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		96.3 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.7 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		105 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2509110
Chloride	34.6	20.0		1	02/28/25	02/28/25	



## Sample Data

		bample D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Num Project Mana	ber: 010	ndary Raid 58-0007 ley Gioven		°B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		FS01-1'					
		E502281-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/05/25	
Toluene	ND	0.0250		1	02/28/25	03/05/25	
p-Xylene	ND	0.0250		1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500		1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		95.8 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.7 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		95.8 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.7 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		99.2 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2509110
Chloride	108	20.0		1	02/28/25	02/28/25	



## Sample Data

	D	ample D					
Devon Energy - Carlsbad	Project Name		ndary Raid	ler 7 CT	B 2		D (1
6488 7 Rivers Hwy Artesia NM, 88210	Project Numb Project Mana		58-0007 ley Gioven	~~~			<b>Reported:</b> 3/6/2025 1:28:36PM
Artesia NM, 88210	Project Manag	ger: Asn	ley Gloven	igo			3/0/2023 1.28.30FW
		FS02-1'					
		E502281-05					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/05/25	
Toluene	ND	0.0250		1	02/28/25	03/05/25	
p-Xylene	ND	0.0250		1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500		1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		96.5 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		94.1 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		96.5 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		97.5 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	IY		Batch: 2509110
Chloride	988	20.0		1	02/28/25	02/28/25	



## Sample Data

		ampie D					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010:	ndary Raid 58-0007 ley Gioven		B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		FS03-1'					
		E502281-06					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/05/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/05/25	
Toluene	ND	0.0250		1	02/28/25	03/05/25	
p-Xylene	ND	0.0250		1	02/28/25	03/05/25	
p,m-Xylene	ND	0.0500		1	02/28/25	03/05/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		95.2 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.3 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/05/25	
Surrogate: Bromofluorobenzene		95.2 %	70-130		02/28/25	03/05/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		02/28/25	03/05/25	
Surrogate: Toluene-d8		97.3 %	70-130		02/28/25	03/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH			Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		100 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2509110
Chloride	30.1	20.0		1	02/28/25	02/28/25	



## Sample Data

		bample D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Num Project Mana	ber: 0105	ndary Raid 58-0007 ey Gioven		B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		FS04-1'					
		E502281-07					
Analyte	Result	Reporting Limit	Dih	ution	Prepared	Analyzed	Notes
-	mg/kg	mg/kg	Dir	Analyst	•	ThuryZou	Batch: 2509119
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	02/28/25	03/06/25	Batell. 2507117
Ethylbenzene	ND	0.0250		1	02/28/25	03/06/25	
Toluene	ND	0.0250		1	02/28/25	03/06/25	
-Xylene	ND	0.0250		1	02/28/25	03/06/25	
o,m-Xylene	ND	0.0500		1	02/28/25	03/06/25	
Fotal Xylenes	ND	0.0250		1	02/28/25	03/06/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130		02/28/25	03/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/28/25	03/06/25	
Surrogate: Toluene-d8		97.2 %	70-130		02/28/25	03/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/06/25	
Surrogate: Bromofluorobenzene		96.0 %	70-130		02/28/25	03/06/25	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		02/28/25	03/06/25	
Surrogate: Toluene-d8		97.2 %	70-130		02/28/25	03/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: KH			Batch: 2509117	
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Dil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		99.0 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: IY		Batch: 2509110
Chloride	1530	20.0		1	02/28/25	02/28/25	



# Sample Data

		ampic D					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 0103	ndary Raid 58-0007 ley Gioven		B 2		<b>Reported:</b> 3/6/2025 1:28:36PM
		FS05-0.5'					
		E502281-08					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2509119
Benzene	ND	0.0250		1	02/28/25	03/06/25	
Ethylbenzene	ND	0.0250		1	02/28/25	03/06/25	
Toluene	ND	0.0250		1	02/28/25	03/06/25	
p-Xylene	ND	0.0250		1	02/28/25	03/06/25	
o,m-Xylene	ND	0.0500		1	02/28/25	03/06/25	
Total Xylenes	ND	0.0250		1	02/28/25	03/06/25	
Surrogate: Bromofluorobenzene		96.4 %	70-130		02/28/25	03/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		02/28/25	03/06/25	
Surrogate: Toluene-d8		96.8 %	70-130		02/28/25	03/06/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2509119
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/25	03/06/25	
Surrogate: Bromofluorobenzene		96.4 %	70-130		02/28/25	03/06/25	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		02/28/25	03/06/25	
Surrogate: Toluene-d8		96.8 %	70-130		02/28/25	03/06/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KH		Batch: 2509117
Diesel Range Organics (C10-C28)	ND	25.0		1	02/28/25	03/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	02/28/25	03/01/25	
Surrogate: n-Nonane		102 %	61-141		02/28/25	03/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2509110
Chloride	3620	40.0		2	02/28/25	02/28/25	



# **QC Summary Data**

Devon Energy - Carlsbad		Project Name:		oundary Raider	7 CTB 2				Reported:	
6488 7 Rivers Hwy		Project Number:		058-0007						
Artesia NM, 88210		Project Manager:	As	shley Giovengo	0			3	3/6/2025 1:28:36PM	
		Volatile Organic	Compou	unds by EP.	A 82601	3	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 (2509119-BLK1)							Prepared: 0	2/28/25 Ana	alyzed: 03/05/25	
Benzene	ND	0.0250					1		<b>j</b>	
Ethylbenzene	ND	0.0250								
Foluene	ND	0.0250								
p-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Fotal Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.482	0.0250	0.500		96.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.6	70-130				
surrogate: 1,2-Dicnioroetnane-a4 Surrogate: Toluene-d8	0.403		0.500		92.0 98.1	70-130				
mrrogute. 10mene-uo	0.491		0.500		20.1	,0-150				
LCS (2509119-BS1)							Prepared: 0	2/28/25 Ana	alyzed: 03/05/25	
Benzene	2.25	0.0250	2.50		90.1	70-130				
Ethylbenzene	2.15	0.0250	2.50		85.9	70-130				
Foluene	2.09	0.0250	2.50		83.8	70-130				
o-Xylene	2.04	0.0250	2.50		81.6	70-130				
o,m-Xylene	4.08	0.0500	5.00		81.6	70-130				
Total Xylenes	6.12	0.0250	7.50		81.6	70-130				
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130				
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130				
Matrix Spike (2509119-MS1)				Source: I	E <b>502281-</b> (	04	Prepared: 02/28/25 Analyzed: 03/05/25			
Benzene	2.35	0.0250	2.50	ND	94.1	48-131				
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135				
Foluene	2.26	0.0250	2.50	ND	90.2	48-130				
p-Xylene	2.27	0.0250	2.50	ND	90.8	43-135				
o,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135				
Fotal Xylenes	6.82	0.0250	7.50	ND	91.0	43-135				
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130				
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130				
Matrix Spike Dup (2509119-MSD1)				Source: I	E502281-0	04	Prepared: 0	2/28/25 Ana	alyzed: 03/05/25	
Benzene	2.44	0.0250	2.50	ND	97.5	48-131	3.49	23		
Ethylbenzene	2.38	0.0250	2.50	ND	95.0	45-135	2.80	27		
	2.32	0.0250	2.50	ND	92.9	48-130	2.93	24		
Foluene			2.50	ND	91.9	43-135	1.14	27		
	2.30	0.0250	2.50							
p-Xylene	2.30 4.60		5.00	ND	92.0	43-135	1.01	27		
		0.0250 0.0500 0.0250			92.0 91.9	43-135 43-135	1.01 1.05	27 27		
p-Xylene p,m-Xylene	4.60 6.90	0.0500	5.00	ND						
>-Xylene p,m-Xylene Fotal Xylenes	4.60	0.0500	5.00 7.50	ND	91.9	43-135				



# **QC Summary Data**

				ary Duc					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	(	Boundary Raide 01058-0007 Ashley Gioveng					<b>Reported:</b> 3/6/2025 1:28:36PM
	No	onhalogenated O	rganic	s by EPA 80	15D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509119-BLK1)							Prepared: 0	2/28/25	Analyzed: 03/05/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			
LCS (2509119-BS2)							Prepared: 0	2/28/25	Analyzed: 03/05/25
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			
Matrix Spike (2509119-MS2)				Source:	E502281-0	04	Prepared: 0	2/28/25	Analyzed: 03/05/25
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			
Matrix Spike Dup (2509119-MSD2)				Source:	E502281-(	04	Prepared: 0	2/28/25	Analyzed: 03/05/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.2	70-130	0.621	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

# **QC Summary Data**

		$\mathbf{x} \mathbf{v} \mathbf{v}$		ary Date					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 01058-0007	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager	: .	Ashley Gioveng	<u></u> go				3/6/2025 1:28:36PM
	Nonha	logenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509117-BLK1)							Prepared: 0	2/28/25 A	analyzed: 03/01/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.9	61-141			
LCS (2509117-BS1)							Prepared: 0	2/28/25 A	analyzed: 03/01/25
Diesel Range Organics (C10-C28)	231	25.0	250		92.5	66-144			
Surrogate: n-Nonane	48.4		50.0		96.8	61-141			
Matrix Spike (2509117-MS1)				Source:	E502281-	06	Prepared: 0	2/28/25 A	analyzed: 03/01/25
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	56-156			
Surrogate: n-Nonane	47.9		50.0		95.8	61-141			
Matrix Spike Dup (2509117-MSD1)				Source:	E502281-	06	Prepared: 0	2/28/25 A	analyzed: 03/01/25
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	56-156	2.20	20	
Surrogate: n-Nonane	48.5		50.0		97.0	61-141			



# **QC Summary Data**

		<u> </u>		v					
Devon Energy - Carlsbad		Project Name:	]	Boundary Raide	er 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:	(	01058-0007					
Artesia NM, 88210		Project Manager:		Ashley Gioveng	go				3/6/2025 1:28:36PM
		Anions	by EPA	300.0/9056A	۱.				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 (2509110-BLK1)							Prepared: 0	2/28/25 A	analyzed: 02/28/25
Chloride	ND	20.0							
LCS (2509110-BS1)							Prepared: 0	2/28/25 A	analyzed: 02/28/25
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2509110-MS1)				Source:	E502279-(	02	Prepared: 0	2/28/25 A	analyzed: 02/28/25
Chloride	655	20.0	250	407	99.1	80-120			
Matrix Spike Dup (2509110-MSD1)				Source:	E502279-(	02	Prepared: 0	2/28/25 A	analyzed: 02/28/25
Chloride	667	20.0	250	407	104	80-120	1.80	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.



Γ	Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/06/25 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.



#### **Chain of Custody**

	Clier	nt Inform	ation		Invoice Information			Invoice Information Lab Use Only					The second			ГАТ	State	State	
Client: D	Devon				Company: Devon Energy			Lab V	Job Number				1D 20	3D Sto	d	NM CO UT TX			
Project:	Boundary Rai	der 7 CTI	B 2		Address: 5315 Buena Vist	a Dr	10	E5	02	28	1	01058-0007			7		x		x
roject N	Manager: Asl	nley Giov	engo	1	City, State, Zip: Carlsbad M	IM, 8822	20	1980	192	1					1				
ddress:	: 3122 Nation	nal Parks	Hwy		Phone: (575)689-7597		19	_				Anal	ysis a	and N	<b>Neth</b>	od			EPA Program
City, Stat	te, Zip: Carls	oad NM,	88220		Email: jim.raley@dvn.com							-						S	DWA CWA RCRA
	575-988-0055				Miscellaneous: Jim Raley							-							
mail: a	giovengo@e	nsolum.c	om						8015	015									mpliance Y or N
		8099/0 <b>1</b> 7-0	470				Sale in		by 8(	by 8(	21	00	0.00	Σ	¥	tals		P٧	VSID #
				Sample Info	rmation				ORO	SRO	y 80	y 82(	de 3(	C-N	- 500	8 Ne			Domorka
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		(D) +	Lab Imber	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
9:17	2/26/2025	S	1		SS08 - 0'	1		1						x					
9:15	2/26/2025	S	1		SS09 - 0'			2						x					
10:43	2/26/2025	S	1		SS10 - 0'			3						x					
11:06	2/26/2025	S	1		FS01 - 1'		(	1						x					
11:07	2/26/2025	S	1	FS02 - 1'			5						х						
12:00	2/26/2025	S	1		FS03 - 1'			6						x					
12:13	2/26/2025	S	1		FS04 - 1'			7						x					
12:15	2/26/2025	S	1		FS05 - 0.5'			8						x					
						í													
Addition	nal Instructio	ns: Plea	ase CC: cb	urton@ensolum	.com, agiovengo@ensolum.c	om, jim.	raley@d	vn.con	n, ies	strell	a@e	nsolu	im.c	om, d	ham	ilton@	ensolum	.con	٦,
	to@ensolum						21												
, (field sam	pler), attest to the	e validity and	authenticity	of this sample. I am av	vare that tampering with or intentionally	mislabeling	the sample	location,	date o	or time	of co	llection	is con	sidered	l fraud	and may	be grounds t	for leg	al action.
	:_Oluwale Aderin						1-							e 1					the second second
Relinquish	ned by: (Signatur	e)	Date	27/25 08:	15 Received by: (Signature)	ales	1.1-	15	lime	<u>_u</u>	5								e received on ice the day they are np above 0 but less than 6 °C on
Rhibfiuist	wale A		Date	Time	RecAved by: (Signature)	2 olog	Date	au	Time	51-	2		-	subseau	ent day	rs.	Lab	Ise (	Only
Profes	red by (Signatu	ø	Date	n-25 157	Received by: (Signature)		2.27 Date	2.25	Time	44	IS			Rece	ived	on ice:	0		Siny
Reinquisi	ieu by. (Signatul	e)	20120303253	27.25 224		111	2-2	2.72		43	0			т1			т2		Т3
telinquish	ned by: (Signatur	re)	Date	Time	Received by: (Signature)	Ŋ	Date		Time	10				AVG	Tem	n°C	4		
Sample Ma	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, <b>A</b> - Aqueo	ous, <b>0</b> - Other		1	Contain	er Type	e: g - j	glass,	p - p	poly/p			amb	or glass	, v - VOA	T	
					s other arrangements are made. Ha	ardous sa	mples will	be retur	rned t	o clier	nt or (	dispos	ed of	at the	client	expens	e. The repo	rt for	irote
samples is	s applicable only	to those s	amples rece	ived by the laborato	ry with this COC. The liability of the	aboratory	is limited	to the ar	moun	t paid	for o	n the	eport	t.					

# **Envirotech Analytical Laboratory**

			1 Maiy	fical Euboratory	1	1111cu. 2/20/2023 10.10.10A
nstructions	s: Please take note of any NO checkmarks.	Sample	Receipt	Checklist (SRC)		
f we receiv	e no response concerning these items within 24 hours of the	date of this not	ice, all the	samples will be analyzed as re	equested.	
Client:	Devon Energy - Carlsbad Da	ate Received:	02/28/25	04:30	Work Order ID:	E502281
Phone:	(505) 382-1211 Da	ate Logged In:	02/27/25	16:00	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com Do	le Date:	03/06/25	17:00 (4 day TAT)		
<u>Chain o</u>	<u>f Custody (COC)</u>					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling	,	Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4</u>	<u>°C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	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	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation_		Yes			
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
Multiph	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyzed		NA			
	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
<u>Client l</u>	Instruction					

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



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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 7 CTB 2

Work Order: E503114

Job Number: 23003-0002

Received: 3/15/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/19/25

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: 3/19/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E503114 Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,



Page 141 of 244

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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SW01-0-1'

SW02-0-1'

		Sample Sum	mary		
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		CTB 2	<b>Reported:</b> 03/19/25 08:46
Client Sample ID	Lab Sample ID		Ashley Giovengo	Received	Container
<b>F</b> -	···· ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··		···· <b>I</b> ····		

Soil

Soil

E503114-01A

E503114-02A

03/14/25

03/14/25

03/15/25

03/15/25

.

Glass Jar, 2 oz.

Glass Jar, 2 oz.

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Numb		Boundary Raider 7 CTB 2 23003-0002 Ashley Giovengo			Reported:
Artesia NM, 88210	Project Manag					3/19/2025 8:46:26AM
,		0	, ,			
		SW01-0-1'				
		E503114-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2511091
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2511091	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KH			Batch: 2511086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
Surrogate: n-Nonane		97.0 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	'kg Analyst: AK		Batch: 2512004	
Chloride	2410	20.0	1	03/17/25	03/17/25	




~•	impre 2				
Project Name:	Bou	ndary Raider 7 Cl	ГВ 2		
Project Numbe	er: 2300	03-0002			Reported:
Project Manag	ger: Ash	ley Giovengo			3/19/2025 8:46:26AM
	SW02-0-1'				
	E503114-02				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: BA		Batch: 2511091
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0500	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
	115 %	70-130	03/15/25	03/15/25	
mg/kg	mg/kg	Analys	t: BA		Batch: 2511091
ND	20.0	1	03/15/25	03/15/25	
	97.7 %	70-130	03/15/25	03/15/25	
mg/kg	mg/kg	Analys	t: KH		Batch: 2511086
ND	25.0	1	03/15/25	03/15/25	
ND	50.0	1	03/15/25	03/15/25	
	85.3 %	61-141	03/15/25	03/15/25	
mg/kg	mg/kg	Analys	t: AK		Batch: 2512004
	Project Name: Project Numbo Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number:   2300     Project Manager:   Ash     SW02-0-1'   E503114-02     E503114-02   E503114-02     Result   Limit     mg/kg   mg/kg     ND   0.0250     ND   20.0     97.7 %   mg/kg     mg/kg   mg/kg     ND   25.0     ND   50.0     ND   50.0	Project Name:     Boundary Raider 7 CT       Project Number:     23003-0002       Project Manager:     Ashley Giovengo       SW02-0-1'     E503114-02       E503114-02     Image:       Result     Limit     Dilution       mg/kg     mg/kg     Analys       ND     0.0250     1       ND     20.0     1       MD     20.0     1       MD     20.0     1       MD     25.0     1       ND     50.0     1       ND     50.0     1       MD     50.0     1	I     Project Name:   Boundary Raider 7 CTB 2     Project Number:   23003-0002     Project Manager:   Ashley Giovengo     SW02-0-1'     BSW02-0-1'     SW02-0-1'     BSW02-0-1'     Maines: B     Mg/kg   Maines: B     MD   0.0250   1   03/15/25     ND   0.0250   1   03/15/25     MD   20.0   1   03/15/25     MD   20.0   1   03/15/25     MD   20.0   1   03/	Variation of the second set of the set of the second set of the set



# **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	23	oundary Raide 3003-0002					Reported:
Artesia NM, 88210		Project Manager:	А	shley Gioveng	go				3/19/2025 8:46:26AM
		Volatile O	rganics l	oy 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 (2511091-BLK1)							Prepared: 0	3/15/25 A	nalyzed: 03/15/25
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	8.02		8.00		100	70-130			
LCS (2511091-BS1)							Prepared: 0	3/15/25 A	analyzed: 03/15/25
Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			
Matrix Spike (2511091-MS1)				Source:	E503109-(	)2	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Benzene	4.91	0.0250	5.00	ND	98.1	54-133			
Ethylbenzene	4.73	0.0250	5.00	ND	94.7	61-133			
Toluene	4.84	0.0250	5.00	ND	96.7	61-130			
p-Xylene	4.70	0.0250	5.00	ND	94.0	63-131			
p,m-Xylene	9.61	0.0500	10.0	ND	96.1	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			
Matrix Spike Dup (2511091-MSD1)				Source:	E503109-(	)2	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Benzene	5.07	0.0250	5.00	ND	101	54-133	3.25	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133	3.35	20	
Toluene	5.00	0.0250	5.00	ND	99.9	61-130	3.28	20	
p-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	3.46	20	
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	63-131	3.27	20	
	14.0	0.0250	15.0	ND	00.0	63-131	3.33	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	03-131	3.33	20	



# **QC Summary Data**

		QU D		ary Dau	•				
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 23003-0002	r 7 CTB 2	2			Reported:
Artesia NM, 88210		Project Manager:	1	Ashley Gioveng	0				3/19/2025 8:46:26AM
	Noi	nhalogenated C	Organics	s by EPA 801	5D - G	RO			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 (2511091-BLK1)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
LCS (2511091-BS2)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
Matrix Spike (2511091-MS2)				Source:	E503109-	02	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			
Matrix Spike Dup (2511091-MSD2)				Source:	E503109-	02	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.7	70-130	8.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



# **QC Summary Data**

		QU D	u 111111						
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 23003-0002	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager:		Ashley Gioveng	go				3/19/2025 8:46:26AM
	Nonha	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2511086-BLK1)							Prepared: 0	3/15/25 A	nalyzed: 03/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			
LCS (2511086-BS1)							Prepared: 0	3/15/25 A	analyzed: 03/15/25
Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			
Matrix Spike (2511086-MS1)				Source:	E503109-	03	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	56-156			
Surrogate: n-Nonane	51.5		50.0		103	61-141			
Matrix Spike Dup (2511086-MSD1)				Source:	E503109-	03	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	56-156	2.00	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			



# **QC Summary Data**

				•						
Devon Energy - Carlsbad		Project Name:		Boundary Raide	er 7 CTB 2				Repor	ted:
6488 7 Rivers Hwy		Project Number	:	23003-0002						
Artesia NM, 88210		Project Manager	r:	Ashley Gioveng	go				3/19/2025 8	:46:26AM
		Anions	by EPA	300.0/9056	4				Analyst: A	АK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	No	otes
Blank (2512004-BLK1)							Prepared: 0	3/17/25	Analyzed: 03/	17/25
Chloride	ND	20.0								
LCS (2512004-BS1)							Prepared: 0	3/17/25	Analyzed: 03/	17/25
Chloride	255	20.0	250		102	90-110				
Matrix Spike (2512004-MS1)				Source:	E503123-0	8	Prepared: 02	3/17/25	Analyzed: 03/	17/25
Chloride	581	20.0	250	322	104	80-120				
Matrix Spike Dup (2512004-MSD1)				Source:	E503123-0	8	Prepared: 0	3/17/25	Analyzed: 03/	17/25
Chloride	573	20.0	250	322	100	80-120	1.46	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	23003-0002	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/19/25 08:46

ND	Analyte NOT DETECTED at or above the reporting limit
	, i c

- 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.



# Released to Imaging: 6/20/2025 11:07:19 AM

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	Clie	nt Inform	ation				In	voice Info	rmation					Lab	Use C	nlv				TA	T		St	ate
Client: [											— I.	Lab W	/O#				nber		1D		3D Sto			
	Boundary Ra	ider 7 CT	B 2		·		ess: o				_ ľ	Ë\$O	31	14			-00	20	10		x			<u>,  </u>  -
Project N	Aanager: Ash	nley Giove	engo			City, S	state, Zij	p: Carlsba	d NM, 882	20	_ [	_												
Address:	3122 Nation	n <mark>al Parks</mark>	Hwy				Phone:								A	nalys	is and	Met	hod				EPA Pro	
	te, Zip: Carls		88220				Ema	il:				1										SDW/		A RCRA
	575-988-005				ľ	Miscella	aneous:															Comulia		V and I
mail: a	giovengo@ei	nsolum.co	om		L								8015	8015					5			Complia		Y or N
				Samr	le Inform	ation							<u>م</u>	Å	90	300	Σ	Ĕ	Aeta			1 10310	<b>"</b>	
Time Sampled	Date Sampled	Matrix	No. of Containers				nple ID			Field Eilter	Lal Num	b ber	DRO/ORO by 8015	GRO/DRO by 8015	VIIC by 8260	Chloride 300.0	BGDOC - NM	ICEQ 1005 - TX	RCRA 8 Metals				Rema	rks
8:58	3/14/2025	S	1			SW0	1 - 0-1'				1					Ť	x	<b>–</b>						
9:00	3/14/2025	S	1	1		SW0	2 - 0-1'				2					$\uparrow$	x							
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Additior	nal Instructio	ns: Plea	se CC: cbu	urton@en	solum.com	n, agiov	vengo@	ensolum.	com, jim.ra	aley@	dvn.c	om, ie	estre	ella@e	nsolu	im.co	om, cl	namil	ton@	)enso	lum.coi	n,		
, (field sam	ns@ensolum pler), attest to the r: _Cole Burton	.com.brr validity and	oir@enso	olum.com of this sample	a. I am aware	that tamp	pering with	or intentiona	lly mislabeling	the sam	nple loca	ition, dat	te or i	time of o	ollectio	n is co	nsidere	d fraud	and m	ay be gr	ounds for	legal action		
	ed by: (Signatur	e)	Date	14/25	Time // ,'/7	> 19	ejved by:	(Signature)		Date	14-2	5	ime II	ר)					-			ust be receive g temp above		
Relinguish	ed by: (Signatur	e)	Date	4.25	Time 1650	Rec	eived by:	Signature)		Date 3.	14.2	S TI	ime	700			Rec	eiveo	loni	ce:	(ab L	lse Only I		
	ied by: (Signatur		Date	14.25	Time 2130		eived by:	(Signature)		Date 3	15·Z9		<sup>ime</sup> 04	po			<u>T1</u>				T2		<u>T3</u>	
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	ples are discard only to those sa															d of al	t the cl	ent ex	pense	. The re	eport for	the analysi	is of the at	ove samples

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad D	ate Received:	03/15/25	04:00	Work Order ID:	E503114
Phone:	(505) 382-1211 D	ate Logged In:	03/14/25	14:41	Logged In By:	Caitlin Mars
Email:		ue Date:	03/19/25	17:00 (2 day TAT)		
Chain o	of Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
5. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample ter	nnerature: 4º	C			
		nperature. <u>+</u>	<u>c</u>			
	<u>Container</u> aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La			100			
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
-	Preservation	10				
	s the COC or field labels indicate the samples were prese	erved?	No			
11 Are	sample(s) correctly preserved?	1-9	NA			
	b filteration required and/or requested for dissolved meta	115 /	No			
24. Is la	hase Sample Matrix					
24. Is la Multipl						
24. Is la <u>Multipl</u> 26. Doe	s the sample have more than one phase, i.e., multiphase?		No			
24. Is la <u>Multipl</u> 26. Doe			NO NA			
24. Is la <u>Multipl</u> 26. Doe 27. If ye	s the sample have more than one phase, i.e., multiphase?					
24. Is la <u>Multipl</u> 26. Doe 27. If ye <u>Subcon</u>	s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	d?				

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



envirotech Inc.

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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 7 CTB 2

Work Order: E503122

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/19/25

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: 3/19/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E503122 Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,



Page 154 of 244

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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#### **Sample Summary**

		Sample Sum	mai y		
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	Boundary Raider 7 23003-0002 Ashley Giovengo	CTB 2	<b>Reported:</b> 03/19/25 12:28
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
'S01-1'	E503122-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S02-1'	E503122-02A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S03-1'	E503122-03A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S04-1'	E503122-04A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S05-0.5'	E503122-05A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S06-0.5'	E503122-06A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
807-0.5'	E503122-07A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S08-0.5'	E503122-08A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S09-1'	E503122-09A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S10-0.5'	E503122-10A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S11-0.5'	E503122-11A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S12-0.5'	E503122-12A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S13-1'	E503122-13A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S14-1'	E503122-14A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S15-0.5'	E503122-15A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S16-0.5'	E503122-16A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S17-1'	E503122-17A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S18-1'	E503122-18A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S19-1'	E503122-19A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
S20-0.5'	E503122-20A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



			aca			
Devon Energy - Carlsbad	Project Name:	Bou	ndary Raider 7 C	TB 2		
6488 7 Rivers Hwy	Project Numbe	er: 230	03-0002		Reported:	
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo			3/19/2025 12:28:03PN
		FS01-1'				
		E503122-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Foluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		79.1 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
Chloride	159	20.0	1	03/17/25	03/17/25	



# Sample Data

	N N	ampic D				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manag	ber: 230	ndary Raider 7 C 03-0002 ley Giovengo	ГВ 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS02-1'				
		E503122-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Foluene	ND	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		78.1 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		107 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002
Chloride	1040	20.0	1	03/17/25	03/17/25	



# Sample Data

	2	ampic D				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manag	er: 230	ndary Raider 7 C 03-0002 ley Giovengo	ГВ 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS03-1'				
		E503122-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
oluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		77.4 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
'urrogate: n-Nonane		104 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002
Chloride	221	20.0	1	03/17/25	03/17/25	



Project Numbe	er: 230		TB 2		Reported:
Project Manag		3/19/2025 12:28:03PM			
	FS04-1'				
	E503122-04				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
ND	0.0500	1	03/15/25	03/15/25	
ND	0.0250	1	03/15/25	03/15/25	
	81.4 %	70-130	03/15/25	03/15/25	
mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
ND	20.0	1	03/15/25	03/15/25	
	93.7 %	70-130	03/15/25	03/15/25	
mg/kg	mg/kg	g Analyst: NV			Batch: 2511090
ND	25.0	1	03/15/25	03/17/25	
ND	50.0	1	03/15/25	03/17/25	
	108 %	61-141	03/15/25	03/17/25	
mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
1640	20.0	1	03/17/25	03/17/25	
	Project Numb Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Number:     2300       Project Manager:     Ash       FS04-1'     E503122-04       E503122-04     Reporting       Result     Limit       mg/kg     mg/kg       ND     0.0250       ND     20.0       gal.7 %     gal.4 %       mg/kg     mg/kg       ND     25.0       ND     50.0       ND     50.0       ND     50.0       Mg/kg     m	Project Number:   23003-0002     Project Manager:   Ashley Giovengo     FS04-1'     ES03122-04     Reporting     Reporting     Result   Limit   Dilution     mg/kg   mg/kg   Analys     ND   0.0250   1     ND   20.0   1     mg/kg   mg/kg   Analys     ND   20.0   1     MD   25.0   1     ND   50.0   1     ND   50.0   1     ND   50.0   1     ND   50.0 <td>Project Number:   23003-0002     Project Manager:   Ashley Giovengo     FS04-1'     FS04-1'     E503122-04     E503122-04     Reporting     Reporting     Result   Limit   Dilution   Prepared     mg/kg   mg/kg   Analyst: SL     ND   0.0250   1   03/15/25     ND   20.0   1   03/15/25     mg/kg   mg/kg   Analyst: SL     MD   25.0   1   03/15/25     ND   25.0   1   03/15/25     ND   25.0   1   03/15/25     ND   25.0   1</td> <td>Project Number:   <math>23003-002</math>     Project Manager:   Ashley Giovengo     FS04-1'   E503122-04     E503122-04   ND     Result   Limit   Dilution   Prepared   Analyzed     Mg/kg   mg/kg   Analyzet   Manalyzet   Manalyzet     ND   0.0250   1   03/15/25   03/15/25     ND   20.0   1   03/15/25   03/15/25     MD   25.0   1   03/15/25   03/17/25 <!--</td--></td>	Project Number:   23003-0002     Project Manager:   Ashley Giovengo     FS04-1'     FS04-1'     E503122-04     E503122-04     Reporting     Reporting     Result   Limit   Dilution   Prepared     mg/kg   mg/kg   Analyst: SL     ND   0.0250   1   03/15/25     ND   20.0   1   03/15/25     mg/kg   mg/kg   Analyst: SL     MD   25.0   1   03/15/25     ND   25.0   1   03/15/25     ND   25.0   1   03/15/25     ND   25.0   1	Project Number: $23003-002$ Project Manager:   Ashley Giovengo     FS04-1'   E503122-04     E503122-04   ND     Result   Limit   Dilution   Prepared   Analyzed     Mg/kg   mg/kg   Analyzet   Manalyzet   Manalyzet     ND   0.0250   1   03/15/25   03/15/25     ND   20.0   1   03/15/25   03/15/25     MD   25.0   1   03/15/25   03/17/25 </td



	N	ampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Num Project Mana	ber: 230	ndary Raider 7 C 03-0002 ley Giovengo	CTB 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS05-0.5'				
		E503122-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
thylbenzene	ND	0.0250	1	03/15/25	03/16/25	
oluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
otal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		77.1 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	03/15/25	03/16/25	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
urrogate: n-Nonane		108 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
Chloride	5630	40.0	2	03/17/25	03/17/25	



	5	ampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numl Project Mana	ber: 230	ndary Raider 7 C 03-0002 ley Giovengo	ГВ 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS06-0.5'				
		E503122-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		77.0 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002
Chloride	2360	40.0	2	03/17/25	03/17/25	



	~					
Devon Energy - Carlsbad	Project Name	e: Bou	ndary Raider 7 C	TB 2		
6488 7 Rivers Hwy	Project Num	ber: 230	03-0002		Reported:	
Artesia NM, 88210	Project Mana		3/19/2025 12:28:03PM			
		FS07-0.5'				
		E503122-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	0.0431	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		76.2 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		104 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
Chloride	1440	20.0	1	03/17/25	03/17/25	



	C C	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Num Project Mana	ber: 230	ndary Raider 7 ( )3-0002 ley Giovengo	CTB 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS08-0.5'				
		E503122-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		76.8 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		105 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2512002
Chloride	714	20.0	1	03/17/25	03/17/25	



	5	ampic D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manag	ber: 230	ndary Raider 7 C 03-0002 ley Giovengo	CTB 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS09-1'				
		E503122-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Foluene	ND	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		75.8 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		104 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
Chloride	872	20.0	1	03/17/25	03/17/25	



#### Sample Data

	D	ample D	ala			
Devon Energy - Carlsbad	Project Name		ndary Raider 7 CT )3-0002			
6488 7 Rivers Hwy Artesia NM, 88210	Project Numb Project Mana			<b>Reported:</b> 3/19/2025 12:28:03PM		
Anesia IVM, 66210	Floject Mana	igei. Asii	ley Giovengo			5/19/2025 12:20:051 14
		FS10-0.5'				
		E503122-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		75.3 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
urrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: AK		Batch: 2512002



#### Sample Data

	<b>D</b>	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manag	er: 2300	ndary Raider 7 CT 03-0002 ley Giovengo	ГВ 2		<b>Reported:</b> 3/19/2025 12:28:03PM
		FS11-0.5'				
		E503122-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		74.7 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: AK		Batch: 2512002
Chloride	26900	1000	50	03/17/25	03/17/25	



# Sample Data

	D	ampic D				
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numb	er: 230	ndary Raider 7 CT 03-0002	ГВ 2		<b>Reported:</b> 3/19/2025 12:28:03PM
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo			3/19/2023 12:28:03PM
		FS12-0.5'				
		E503122-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
o-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		74.1 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: NV			Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002
Chloride	10500	200	10	03/17/25	03/17/25	

#### Sample Data

	D	bample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Num		ndary Raider 7 03-0002	CTB 2		Reported:
Artesia NM, 88210	5		ley Giovengo		3/19/2025 12:28:03PM	
		FS13-1'				
		E503122-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Foluene	ND	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		74.0 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		102 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: AK		Batch: 2512002
Chloride	3180	40.0	2	03/17/25	03/17/25	



#### Sample Data

	0	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2300	ndary Raider 7 C 03-0002 ley Giovengo		<b>Reported:</b> 3/19/2025 12:28:03PM	
		FS14-1'				
		E503122-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		73.5 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
urrogate: n-Nonane		104 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002
Chloride	2680	40.0	2	03/17/25	03/17/25	



#### Sample Data

	5	ample D	ala			
Devon Energy - Carlsbad	Project Name		ndary Raider 7 Cl	ГВ 2		
6488 7 Rivers Hwy	Project Numb		03-0002		Reported:	
Artesia NM, 88210	Project Mana	iger: Ash	ley Giovengo		3/19/2025 12:28:03PM	
		FS15-0.5'				
		E503122-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511099
Benzene	ND	0.0250	1	03/15/25	03/16/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25	
Toluene	ND	0.0250	1	03/15/25	03/16/25	
p-Xylene	ND	0.0250	1	03/15/25	03/16/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
Surrogate: 4-Bromochlorobenzene-PID		72.8 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
Surrogate: n-Nonane		101 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: AK		Batch: 2512002
Chloride	15700	200	10	03/17/25	03/17/25	



#### Sample Data

	0	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2300	ndary Raider 7 C 03-0002 ley Giovengo	<b>Reported:</b> 3/19/2025 12:28:03PM		
		FS16-0.5'				
		E503122-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL	Batch: 2511099	
Benzene	ND	0.0250	1	03/15/25	03/16/25	
thylbenzene	ND	0.0250	1	03/15/25	03/16/25	
oluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
otal Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		72.4 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	03/15/25	03/16/25	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/17/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
urrogate: n-Nonane		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2512002
Chloride	8020	100	5	03/17/25	03/17/25	



# Sample Data

	<b>D</b>	ampic D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numb		ndary Raider 7 CT 03-0002		Reported:		
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo		3/19/2025 12:28:03PM		
		FS17-1'					
		E503122-17					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: SL			
Benzene	ND	0.0250	1	03/15/25	03/16/25		
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25		
Foluene	ND	0.0250	1	03/15/25	03/16/25		
p-Xylene	ND	0.0250	1	03/15/25	03/16/25		
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25		
Fotal Xylenes	ND	0.0250	1	03/15/25	03/16/25		
Surrogate: 4-Bromochlorobenzene-PID		71.5 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511099	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/18/25		
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25		
Surrogate: n-Nonane		106 %	61-141	03/15/25	03/18/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512002	
Chloride	48300	1000	50	03/17/25	03/17/25		



#### Sample Data

	5	ample D	ala				
Devon Energy - Carlsbad	Project Name		ndary Raider 7 C	CTB 2			
6488 7 Rivers Hwy	Project Numb		03-0002		Reported:		
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo		3/19/2025 12:28:03PM		
		FS18-1'					
		E503122-18					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2511099	
Benzene	ND	0.0250	1	03/15/25	03/16/25		
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25		
Toluene	ND	0.0250	1	03/15/25	03/16/25		
o-Xylene	ND	0.0250	1	03/15/25	03/16/25		
p,m-Xylene	ND	0.0500	1	03/15/25	03/16/25		
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25		
Surrogate: 4-Bromochlorobenzene-PID		71.4 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2511099	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/18/25		
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25		
Surrogate: n-Nonane		104 %	61-141	03/15/25	03/18/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2512002	
Chloride	2820	40.0	2	03/17/25	03/17/25		



#### Sample Data

	5	ample D	ala				
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numb		ndary Raider 7 03-0002	CTB 2		Reported:	
Artesia NM, 88210	Project Manager:		ley Giovengo	3/19/2025 12:28:03PM			
		FS19-1'					
		E503122-19					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2511099	
Benzene	ND	0.0250	1	03/15/25	03/16/25		
Ethylbenzene	ND	0.0250	1	03/15/25	03/16/25		
Toluene	ND	0.0250	1	03/15/25	03/16/25		
p-Xylene	ND	0.0250	1	03/15/25	03/16/25		
o,m-Xylene	ND	0.0500	1	03/15/25	03/16/25		
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25		
Surrogate: 4-Bromochlorobenzene-PID		70.3 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2511099	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25		
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	03/15/25	03/16/25		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: NV			Batch: 2511090	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/18/25		
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25		
Surrogate: n-Nonane		104 %	61-141	03/15/25	03/18/25		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2512002	
Chloride	2330	40.0	2	03/17/25	03/17/25		



#### Sample Data

	K.	sampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name:Boundary Raider 7 CTB 2Project Number:23003-0002Project Manager:Ashley Giovengo					<b>Reported:</b> 3/19/2025 12:28:03PM
		FS20-0.5'				
		E503122-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL	Batch: 2511099	
Benzene	ND	0.0250	1	03/15/25	03/16/25	
thylbenzene	ND	0.0250	1	03/15/25	03/16/25	
oluene	ND	0.0250	1	03/15/25	03/16/25	
-Xylene	ND	0.0250	1	03/15/25	03/16/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/16/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/16/25	
urrogate: 4-Bromochlorobenzene-PID		70.2 %	70-130	03/15/25	03/16/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2511099
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/16/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	03/15/25	03/16/25	
onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2511090
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/18/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25	
urrogate: n-Nonane		105 %	61-141	03/15/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: AK		Batch: 2512002
Chloride	4740	40.0	2	03/17/25	03/17/25	



# **QC Summary Data**

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Devon Energy - Carlsbad		Project Name:	В	oundary Raid	er 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:	er: 23003-0002						
Artesia NM, 88210		Project Manager:	А	shley Gioven	go				3/19/2025 12:28:03PM
			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 (2511099-BLK1)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
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	6.55		8.00		81.9	70-130			
LCS (2511099-BS1)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.7	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.81	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.82	0.0500	10.0		98.2	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.54		8.00		81.7	70-130			
Matrix Spike (2511099-MS1)				Source:	E503122-0	4	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Benzene	5.09	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.6	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.38		8.00		7 <b>9</b> .7	70-130			
Matrix Spike Dup (2511099-MSD1)				Source:	E503122-0	4	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Benzene	4.85	0.0250	5.00	ND	96.9	54-133	4.96	20	
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	61-133	4.85	20	
Toluene	4.78	0.0250	5.00	ND	95.5	61-130	4.80	20	
o-Xylene	4.65	0.0250	5.00	ND	93.1	63-131	4.39	20	
p,m-Xylene	9.43	0.0500	10.0	ND	94.3	63-131	4.79	20	
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131	4.66	20	
Surrogate: 4-Bromochlorobenzene-PID	6.39		8.00		79.8	70-130			



# **QC Summary Data**

		$\chi \cup \lambda$		ary Dan	~				
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 23003-0002	r 7 CTB 2	2			Reported:
Artesia NM, 88210		Project Manager:	A	Ashley Gioveng	o				3/19/2025 12:28:03PM
	No	nhalogenated C	Organics	s by EPA 801	15D - G	RO			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 (2511099-BLK1)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			
LCS (2511099-BS2)							Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.8	70-130			
Matrix Spike (2511099-MS2)				Source:	E503122-	04	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
Matrix Spike Dup (2511099-MSD2)				Source:	E503122-	04	Prepared: 0	3/15/25 A	Analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130	0.306	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

# **QC Summary Data**

		QU D	umm						
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Boundary Raide 23003-0002	er 7 CTB 2				Reported:
Artesia NM, 88210		Project Manager:	: 1	Ashley Gioveng	jo				3/19/2025 12:28:03PM
	Nonh	alogenated Org	anics by	y EPA 8015E	) - 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 (2511090-BLK1)							Prepared: 0	3/15/25 A	analyzed: 03/17/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	61-141			
LCS (2511090-BS1)							Prepared: 0	3/15/25 A	analyzed: 03/17/25
Diesel Range Organics (C10-C28)	239	25.0	250		95.8	66-144			
Surrogate: n-Nonane	50.2		50.0		100	61-141			
Matrix Spike (2511090-MS1)				Source:	E503122-	09	Prepared: 0	3/15/25 A	analyzed: 03/17/25
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.2	56-156			
Surrogate: n-Nonane	52.1		50.0		104	61-141			
Matrix Spike Dup (2511090-MSD1)				Source:	E503122-	09	Prepared: 0	3/15/25 A	analyzed: 03/17/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156	3.12	20	
Surrogate: n-Nonane	52.4		50.0		105	61-141			


### **QC Summary Data**

		Ľ		•					
Devon Energy - Carlsbad		Project Name:	]	Boundary Raide	er 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:	1	23003-0002					•
Artesia NM, 88210		Project Manager	: .	Ashley Gioveng	go				3/19/2025 12:28:03PM
		Anions	by EPA	300.0/9056A	A Contraction of the second se				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512002-BLK1)							Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	ND	20.0							
LCS (2512002-BS1)							Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2512002-MS1)				Source:	E503122-0	3	Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	470	20.0	250	221	99.5	80-120			
Matrix Spike Dup (2512002-MSD1)				Source:	E503122-0	3	Prepared: 02	3/17/25	Analyzed: 03/17/25
Chloride	479	20.0	250	221	103	80-120	1.85	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.



D	evon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
64	488 7 Rivers Hwy	Project Number:	23003-0002	Reported:
A	rtesia NM, 88210	Project Manager:	Ashley Giovengo	03/19/25 12:28

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.



### **Chain of Custody**

						I	Chain of (	Cust	ody												Pa	ge <u> </u>
	Clie	nt Inform	ation			Invoice Info	rmation				La	ab Us	e On	lv				TAT			Sta	te
Client: D	evon					ompany: Ensolum, L	LC		lat	WO#			Job		ber	_	1D	2D 30	Std			
Project:	Boundary Ra	ider 7 CTI	B 2			ddress: on file	-			503	IZ:	z	23	003	-00	02t			X	x		
	lanager: Ash				<u>Cit</u>	ty, State, Zip: Carlsba	ad NM, 8822	20	_ [													
	3122 Nation					Phone:		_					Ana	lysis	and	Meth	od				EPA Prog	ram
	e, Zip: Carls		38220			Email:														SDWA	CWA	RCRA
	575-988-0055				Misc	cellaneous:														<u> </u>		
<u>-maii: a</u>	giovengo@er	nsolum.co	om		╡└┈			_		8015	8015									Complia PWSID		or N
				Sample I	nformatio	n				-1≥	p v	021	260	30.0	MN	Ĕ	leta			FVIJU	<u>" </u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Jumple		Sample ID		Field	Lab Numbe	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	S
8:37	3/14/2025	S	1			FS01 - 1'			1				_	Ŭ	x				-			
8:56	3/14/2025	S	1			FS02 - 1'		1	2						x							
8:38	3/14/2025	S	1			FS03 - 1'		Γ	3						x							
8:38	3/14/2025	S	1			FS04 - 1'			4						x							
8:39	3/14/2025	S	1		l	FS05 - 0.5'			5						x							
8:41	3/14/2025	s	1		1	FS06 - 0.5'			6						x							
8:40	3/14/2025	S	1			FS07 - 0.5'			7						х							
8:37	3/14/2025	S	1			FS08 - 0.5'			8						x							
8:35	3/14/2025	s	1			FS09 - 1'			9						х							
8:42	3/14/2025	s	1			FS10 - 0.5'			10						x							
					um.com, a	giovengo@ensolum	.com, jim.ra	ley@	dvn.com	n, iesti	rella(	@ens	olun	n.con	n, cha	milto	on@e	ensolu	m.com	وا		
I, (field sam	ns@ensolum pler), attest to the : _Cole Burton				m aware that i	tampering with or intention	ally mislabeling t	he sam	ple location	ı, date o	r time	of colle	ection i	s consi	dered	fraud a	nd may	/ be grou	nds for le	gal action.		
	ed by: (Stenatur	e)	Date 3/1	14/25 Time	:12	Michelle G	ongoles	Date 31	4-25	Time	דוו					-	-				d on ice the da 0 but less than	· . ·
Religiouish	ed byg(Signatur	enzale	s Li	Time	450	Received by: (Signature)		Date	.14.23	Time	70'	Ø			Rece	ived (	on ice		Lab Us	e Only		
Relinquish (	ed by (Signatur	e)	Date 3.	Time		Received by: (Signature)	070	Date 3.	15.25	Time					T1			_ <u>T</u> 2			<u>T3</u>	
Relinguish	ed by: (Signatur	e)	Date	Time		Received by: (Signature)		Date		Time	-				AVG	Temp	。°℃_	4				
	trix: S - Soil, Sd - S								tainer Typ													
						rangements are made. He laboratory							osed c	of at th	ie clie	nt expe	ense. '	The repo	ort for th	ie analysi	s of the abo	ve samples is

.

### **Chain of Custody**

							Chain (	of Custo	ody											Page	<u></u> 0
	Clie	nt Inform	ation			Inv	oice Information		<u> </u>		La	b Use	Only			<u> </u>	TAT			State	· · ·
Client:						ompany: En			Lai	b WO#				mber		1D		D Std	NN		тх
	<b>Boundary Ra</b>	ider 7 CTE	3 2			ddress: on	file		_  Ē	b WO# 503	122	.  :	230	3-0	2 oc			X	x		
Project N	<u> Aanager: Ash</u>	nley Giove	ngo			y, State, Zip	: Carlsbad NM, 8	38220	_ [												
	3122 Nation				4	Phone:							Analy	sis an	d Met	hod				PA Progra	
	e, Zip: Carls		38220		┥┝━━	Emai	l:												SDWA	CWA	RCRA
	<u>575-988-005</u>				Miso	cellaneous:													<u> </u>		
<u>Email: a</u>	giovengo@ei	nsolum.cc	om							hy 8015	3015								Compliar PWSID #		or N
,				Sample I	Informatio			·		- <sup>2</sup>	ĥ	021	99	N N	Ĕ	letal			PVVSID #	<u>'</u>	
Time		· · · · · ·	No. of	Jampie I				ג ס	Lab	٦ğ	) a	by 8	þ A	e y	1005	8 0				Remarks	
Sampled	Date Sampled	Matrix	Containers		· · · · ·	Sample ID		Field Filter	Numbe	DRO/ORO	GRO/DRO by 8015	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.0 BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
9:13	3/14/2025	S	1			FS11 - 0.5'			11					×							
9:14	3/14/2025	S	1			FS12 - 0.5'			12					×							
8:42	3/14/2025	S	1			FS13 - 1'			13					×							
8:43	3/14/2025	S	1			FS14 - 1'			14					×							
8:44	3/14/2025	S	1			FS15 - 0.5'			15					×							
8:43	3/14/2025	S	1			FS16 - 0.5'		-	16					×							
8:50	3/14/2025	s	1			FS17 - 1'			17					×							
8:46	3/14/2025	s	1			FS18 - 1'			18					×				-			
8:45	3/14/2025	S	1		-	FS19 - 1'			19					х							
8:44	3/14/2025	S	1			FS20 - 0.5'			20				Τ	х							
Additior	al Instructio	ns: Plea	se CC: cbu	urton@ensolu	um.com, a	giovengo@e	ensolum.com, jir	n.raley@	dvn.con	n, iest	rella(	Pens	olum.	com, c	hami	ton@	ensolu	im.com	,		
	ns@ensolum pler), attest to the				m aware that	tampering with c	or intentionally mislabe	ling the sam	ple locatio	n, date o	r time	of colle	ction is	onsider	ed fraud	and m	ay be grou	unds for le	gal action.		
Sampled by	_Cole Burton		_																		
Relinquish	ed by: (Signatur	e) V	Date 3/	14/25 l	1:17	Received by: (	signature) lie Gonza	leg 3-	14.25	Time	(7			sam		eceived p	•			l on ice the day t 0 but less than 6	
Relinguish	ed by: (Signatur helle Gr	e)	Date	Time	650	Received by (	Signature)	Date	.14.2:	Time					ceive		ce:	Lab Us	e Only		
	ed by: (Signatur		Date	14.25 Time	2130	Received by: (1	Signature)	Date 3-1	5.25	Time	40	-		Т1			τ	2		T3	
Relinquish	ed by: (Signatur	e)	Date	Time		Received by: (	Signature)	Date		Time				AV	G Ten	no °C	<u></u> -4_				
Sample Ma	rix: S - Soil, Sd - S	olid, Sg - Slud	ge, A - Aqueo	ous, O - Other		. <u>, , ,</u> .		Cont	ainer Ty	pe: g -	glass,	<b>p</b> - po	ly/pla					Ā			
		•		•		-	e made. Hazardous						sed of	at the c	lient ex	pense	The rep	ort for th	e analysis	of the above	samples is
applicable	only to those sa	mples recei	ived by the la	aboratory with t	this COC. The	e liability of the	laboratory is limited	to the amo	ount paid	for on t	he rep	ort.									

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Chain of Custody (COC) 1. Does the sample ID match the 2. Does the number of samples p 3. Were samples dropped off by 4. Was the COC complete, i.e., s 5. Were all samples received wit Note: Analysis, such as	m E COC? er sampling site location match client or carrier?	Date Logged In: Due Date:	03/14/25 1: 03/19/25 1 Yes	5:28 7:00 (2 day TAT)		Logged In By:	Caitlin Mars
Email: agiovengo@ensolum.co Chain of Custody (COC) 1. Does the sample ID match the 2. Does the number of samples p 3. Were samples dropped off by 4. Was the COC complete, i.e., s 5. Were all samples received wit Note: Analysis, such as	m E COC? er sampling site location match client or carrier?	Due Date:	03/19/25 1			•	
<ol> <li>Does the sample ID match the</li> <li>Does the number of samples p</li> <li>Were samples dropped off by</li> <li>Was the COC complete, i.e., s</li> <li>Were all samples received wit Note: Analysis, such as</li> </ol>	er sampling site location match client or carrier?	1 the COC	Yes				
<ol> <li>Does the number of samples p</li> <li>Were samples dropped off by</li> <li>Was the COC complete, i.e., s</li> <li>Were all samples received wit Note: Analysis, such as</li> </ol>	er sampling site location match client or carrier?	n the COC	Yes				
<ol> <li>Were samples dropped off by</li> <li>Was the COC complete, i.e., s</li> <li>Were all samples received wit Note: Analysis, such as</li> </ol>	client or carrier?	n the COC					
<ol> <li>Was the COC complete, i.e., s</li> <li>Were all samples received wit Note: Analysis, such as</li> </ol>			Yes				
5. Were all samples received wit Note: Analysis, such as	ignatures, dates/times, requeste		Yes	Carrier: C	Courier		
Note: Analysis, such as		d analyses?	Yes				
	hin holding time? pH which should be conducted in th are not included in this disucssion.		Yes			Commen	ts/Resolution
Sample Turn Around Time (TA	<u>.T)</u>						
6. Did the COC indicate standard	I TAT, or Expedited TAT?		Yes			•	er 7 CTB 2 has been
Sample Cooler					separated	l into 2 reports	s due to sample
7. Was a sample cooler received	?		Yes		volume.	WO are E503	122 & E503123.
8. If yes, was cooler received in	good condition?		Yes				
9. Was the sample(s) received in	tact, i.e., not broken?		Yes				
10. Were custody/security seals p	present?		No				
11. If yes, were custody/security	seals intact?		NA				
12. Was the sample received on ice? Note: Thermal preservat minutes of sampling	If yes, the recorded temp is 4°C, i.e ion is not required, if samples are r		Yes				
13. If no visible ice, record the te	emperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>				
Sample Container							
14. Are aqueous VOC samples p	resent?		No				
15. Are VOC samples collected i	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) include	ed for VOC analyses?		NA				
18. Are non-VOC samples collect	cted in the correct containers?		Yes				
19. Is the appropriate volume/weig	ht or number of sample container	rs collected?	Yes				
Field Label							
20. Were field sample labels fille	ed out with the minimum inform	nation:					
Sample ID? Date/Time Collected?			Yes				
Collectors name?			Yes Yes				
Sample Preservation			105				
21. Does the COC or field labels	indicate the samples were pres	served?	No				
22. Are sample(s) correctly press			NA				
24. Is lab filteration required and		tals?	No				
Multiphase Sample Matrix							
26. Does the sample have more t	han one phase, i.e., multiphase	?	No				
27. If yes, does the COC specify			NA				
Subcontract Laboratory							
28. Are samples required to get s	sent to a subcontract laboratory	?	No				
29. Was a subcontract laboratory	specified by the client and if s	o who?	NA	Subcontract Lab	): NA		

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



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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 7 CTB 2

Work Order: E503123

Job Number: 23003-0002

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/19/25

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: 3/19/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E503123 Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,



Page 187 of 244

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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### Sample Summarv

		Sample Sum	mai y		
Devon Energy - Carlsbad		Project Name:	Boundary Raider 7	CTB 2	Reported:
6488 7 Rivers Hwy		Project Number:	23003-0002		Reported:
Artesia NM, 88210		Project Manager:	Ashley Giovengo		03/19/25 11:34
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS21-0.5'	E503123-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS22-1'	E503123-02A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS23-1'	E503123-03A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS24-1'	E503123-04A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS25-0.5'	E503123-05A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS26-0.5'	E503123-06A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS27-0.5'	E503123-07A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS28-0.5'	E503123-08A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS29-0.5'	E503123-09A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS30-0.5'	E503123-10A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
'S31-0.5'	E503123-11A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



	~	ampic D				
Devon Energy - Carlsbad	Project Name:		ndary Raider 7	CTB 2		
6488 7 Rivers Hwy	Project Numb		03-0002			Reported:
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo			3/19/2025 11:34:53AM
		FS21-0.5'				
		E503123-01				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2511100
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.1 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		107 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: AK		Batch: 2512004
Chloride	4790	40.0	2	03/17/25	03/17/25	

## Sample Data



### Sample Data

		ampic D				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 230	ndary Raider 7 CT )3-0002 ley Giovengo	TB 2		<b>Reported:</b> 3/19/2025 11:34:53AM
	i iojoot iiiaiag					
		FS22-1' E503123-02				
	D I	Reporting		<b>D</b>		<b>N</b> T
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: SL		Batch: 2511100
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		79.6 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: NV		Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		109 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: AK		Batch: 2512004
Chloride	4140	40.0	2	03/17/25	03/17/25	



### Sample Data

	5	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 2300	ndary Raider 7 C )3-0002 ley Giovengo	TB 2		<b>Reported:</b> 3/19/2025 11:34:53AM
		FS23-1'				
		E503123-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2511100
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		108 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: AK		Batch: 2512004
Chloride	5410	40.0	2	03/17/25	03/17/25	



### Sample Data

	b	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numl		ndary Raider 7 C	ГВ 2		Reported:
Artesia NM, 88210	Project Mana		ley Giovengo			3/19/2025 11:34:53AM
		FS24-1'				
		E503123-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2511100
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.1 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: NV		Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		110 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512004
Chloride	21500	200	10	03/17/25	03/17/25	



### Sample Data

	N	ampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Num Project Mana	<b>Reported:</b> 3/19/2025 11:34:53AM				
		FS25-0.5'				
		E503123-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
thylbenzene	ND	0.0250	1	03/15/25	03/15/25	
oluene	ND	0.0250	1	03/15/25	03/15/25	
-Xylene	ND	0.0250	1	03/15/25	03/15/25	
,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
urrogate: 4-Bromochlorobenzene-PID		83.4 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
'urrogate: n-Nonane		110 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: AK		Batch: 2512004
Chloride	15900	200	10	03/17/25	03/17/25	



### Sample Data

	<b>D</b>	ampic D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Manaş	<b>Reported:</b> 3/19/2025 11:34:53AM				
		FS26-0.5'				
		E503123-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		109 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: AK		Batch: 2512004
Chloride	16000	200	10	03/17/25	03/17/25	
Chionae	10000	200				



### Sample Data

	5	ample D	aia			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	<b>Reported:</b> 3/19/2025 11:34:53AM				
		FS27-0.5'				
		E503123-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		83.6 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV		Batch: 2512017	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		104 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: AK		Batch: 2512004
Chloride	17000	200	10	03/17/25	03/17/25	



### Sample Data

	<b>D</b>	ampic D	ata					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	ivers Hwy Project Number: 23003-0002							
		FS28-0.5'						
		E503123-08						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2511100				
Benzene	ND	0.0250	1	03/15/25	03/15/25			
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25			
Toluene	ND	0.0250	1	03/15/25	03/15/25			
p-Xylene	ND	0.0250	1	03/15/25	03/15/25			
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25			
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25			
Surrogate: 4-Bromochlorobenzene-PID		82.7 %	70-130	03/15/25	03/15/25			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: SL			Batch: 2511100		
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25			
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.0 %	70-130	03/15/25	03/15/25			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2512017		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25			
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25			
Surrogate: n-Nonane		105 %	61-141	03/17/25	03/18/25			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: AK		Batch: 2512004		
Chloride	322	20.0	1	03/17/25	03/17/25			



### Sample Data

	D	ample D	ala			
	Project Name		ndary Raider 7 (	CTB 2		
5	Project Numl		03-0002 ley Giovengo		Reported:	
Artesia NM, 88210	Project Mana		3/19/2025 11:34:53AM			
		FS29-0.5'				
		E503123-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV			Batch: 2512017
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		108 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2512004
Chloride	1980	40.0	2	03/17/25	03/17/25	



### Sample Data

	D	ample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numl Project Mana	<b>Reported:</b> 3/19/2025 11:34:53AM				
		FS30-0.5'				
		E503123-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
o,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.3 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: NV		Batch: 2512017	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		108 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: AK		Batch: 2512004
Chloride	4890	40.0	2	03/17/25	03/17/25	



### Sample Data

	b	bample D	ala			
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numl		ndary Raider )3-0002	7 CTB 2		Reported:
Artesia NM, 88210	Project Mana		ley Giovengo			3/19/2025 11:34:53AN
		FS31-0.5'				
		E503123-11				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	Batch: 2511100		
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
p-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
Surrogate: 4-Bromochlorobenzene-PID		82.1 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: SL		Batch: 2511100
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	ated Organics by EPA 8015D - DRO/ORO mg/kg mg/kg			nalyst: NV	Batch: 2512017	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/25	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
Surrogate: n-Nonane		117 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: AK		Batch: 2512004
Chloride	7130	100	5	03/17/25	03/17/25	



# **QC Summary Data**

		<b>`</b>		v					
Devon Energy - Carlsbad		Project Name:	E	Boundary Raid	er 7 CTB 2	!			Reported:
6488 7 Rivers Hwy		Project Number:	2	23003-0002					•
Artesia NM, 88210		Project Manager:	A	Ashley Gioven	go				3/19/2025 11:34:53AM
		Volatile Or			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 (2511100-BLK1)							Prepared: 0	3/15/25 A	nalyzed: 03/15/25
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	6.24		8.00		78.0	70-130			
LCS (2511100-BS1)							Prepared: 0	3/15/25 A	nalyzed: 03/15/25
Benzene	4.20	0.0250	5.00		84.0	70-130			
Ethylbenzene	4.02	0.0250	5.00		80.3	70-130			
Toluene	4.13	0.0250	5.00		82.5	70-130			
o-Xylene	3.97	0.0250	5.00		79.4	70-130			
p,m-Xylene	8.17	0.0500	10.0		81.7	70-130			
Total Xylenes	12.1	0.0250	15.0		80.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.31		8.00		78.9	70-130			
Matrix Spike (2511100-MS1)				Source:	E503123-	02	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Benzene	5.11	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.1	61-133			
Toluene	5.04	0.0250	5.00	ND	101	61-130			
o-Xylene	4.85	0.0250	5.00	ND	97.0	63-131			
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.47		8.00		80.8	70-130			
Matrix Spike Dup (2511100-MSD1)				Source:	E503123-	02	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Benzene	4.96	0.0250	5.00	ND	99.3	54-133	2.98	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	2.95	20	
Toluene	4.88	0.0250	5.00	ND	97.7	61-130	3.06	20	
o-Xylene	4.72	0.0250	5.00	ND	94.4	63-131	2.74	20	
p,m-Xylene	9.68	0.0500	10.0	ND	96.8	63-131	2.75	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	2.74	20	
Surrogate: 4-Bromochlorobenzene-PID	6.47		8.00		80.8	70-130			



### **QC Summary Data**

		QU N		ary Date	•				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		Boundary Raide 23003-0002 Ashley Gioveng					<b>Reported:</b> 3/19/2025 11:34:53AM
Artesia NM, 88210		Project Manager.		Ashley Gloveng	0				3/19/2023 11.34.33AW
	Noi	nhalogenated C	Organic	s by EPA 801	15D - G	RO			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 (2511100-BLK1)							Prepared: 0	3/15/25 A	analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			
LCS (2511100-BS2)							Prepared: 0	3/15/25 A	analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
Matrix Spike (2511100-MS2)				Source:	E503123-	02	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	ND	83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.7	70-130			
Matrix Spike Dup (2511100-MSD2)				Source:	E503123-	02	Prepared: 0	3/15/25 A	analyzed: 03/15/25
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.3	70-130	2.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			



### **QC Summary Data**

		QC D	umm	ary Data	u.				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	:	Boundary Raide 23003-0002 Ashley Gioveng		2			<b>Reported:</b> 3/19/2025 11:34:53AM
	Nonh	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2512017-BLK1)							Prepared: 0	3/17/25 A	Analyzed: 03/18/25
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	52.3		50.0		105	61-141			
LCS (2512017-BS1)							Prepared: 0	3/17/25 A	Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	251	25.0	250		100	66-144			
Surrogate: n-Nonane	52.5		50.0		105	61-141			
Matrix Spike (2512017-MS1)				Source: E503123-04			Prepared: 0	3/17/25 A	Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	53.9		50.0		108	61-141			
Matrix Spike Dup (2512017-MSD1)				Source:	E503123-	04	Prepared: 0	3/17/25 A	Analyzed: 03/18/25
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	56-156	1.90	20	
Surrogate: n-Nonane	52.6		50.0		105	61-141			



### **QC Summary Data**

		•	-						
Devon Energy - Carlsbad		Project Name:		Boundary Raide	er 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:		23003-0002					•
Artesia NM, 88210		Project Manager	:	Ashley Gioveng	go				3/19/2025 11:34:53AM
		Anions	by EPA	300.0/90564	٨				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2512004-BLK1)							Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	ND	20.0							
LCS (2512004-BS1)							Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512004-MS1)				Source:	E503123-0	8	Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	581	20.0	250	322	104	80-120			
Matrix Spike Dup (2512004-MSD1)				Source:	E503123-0	8	Prepared: 0	3/17/25	Analyzed: 03/17/25
Chloride	573	20.0	250	322	100	80-120	1.46	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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	23003-0002	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/19/25 11:34

- 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.



# Released to Imaging: 6/20/2025 11:07:19 AM

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# **Chain of Custody**

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	Clie	nt Inform	ation			Invoice Inform							e Onl	-				TAT			State	
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	Boundary Ra					ddress: on file			-  E5	E503123 23003-0002					5Z	x x						
	Manager: Ash				_	ty, State, Zip: Carlsbad	NM, 8822	0	-				<b>A</b>	h		Meth	- 4	EPA Program				
	3122 Nation e, Zip: Carlsl				-	Phone:		-				- 1	Ana			vietn				SDWA	CWA	RCRA
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	· · · ·			Sample	Informatio	on				] อู๊	<sup>a</sup>	/ 802	826	e 30	Z.	5	Met					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks	
8:49	3/14/2025	S	1			FS21 - 0.5'			1						x							
8:48	3/14/2025	S	1			FS22 - 1'			Ζ						x							
8:47	3/14/2025	S	1			FS23 - 1'			3						x							
8:52	3/14/2025	S	1			FS24 - 1'			4						x							
8:50	3/14/2025	S	1			FS25 - 0.5'			5						x							
8:46	3/14/2025	S	1			FS26 - 0.5'			6						x							
8:47	3/14/2025	S	1			FS27 - 0.5'			7						x							
8:48	3/14/2025	S	1			FS28 - 0.5'			8						x							
8:53	3/14/2025	S	1			FS29 - 0.5'			9						х							
8:56	3/14/2025	S	1			FS30 - 0.5'			10						x							
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, (field sam	n <u>s@ensolum</u> pler), attest to the : _Cole Burton				am aware that	tampering with or intentionally	mislabeling ti	ne sam	ple location,	, date o	or time	of colle	ection i	s consi	dered	fraud a	nd may	/ be grou	inds for le	egal action.		
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# Released to Imaging: 6/20/2025 11:07:19 AM

	Clie	nt Inform	ation			In	voice Informa	ation		1		La	b Us	e On	y		T		TAT				Stat	e
lient: D	evon					Company: 1	Ensolum, LLC			Lab WO# Job Number						1D 2D 3D Std				NM	CO UT	TX		
roject:	Boundary Ra	ider 7 CT	B 2			Address: o			[E503123  230				230	3003-0002					x		x			
	Aanager: Asl				9		ip: Carlsbad N	IM, 88220			_													
	3122 Nation				]	<u>Phone</u>					L			Ana	lysis_	and	Meth	od		_			A Progr	
	e, Zip: Carls		38220			Em				4											SD	WA	CWA	RCRA
	575-988-005 giovengo@e					iscellaneous					_		1						1		Com	pliance		or N
	Slovengowe	13010111.00									8015	801	_		9		_	<u>ت</u>				SID #	-   -	
				Sam	ole Informat	ion					A Q	Q PA	8021	8260	300	MN	E	Meta						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field	N Eilter	Lab umber	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				I	Remark	5
8:57	3/14/2025	S	1			FS31 - 0.5'				n						x						L		
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(field sam)	ns@ensolum pler), attest to the _Cole Burton				e. I am aware th	at tampering wit	h or intentionally n	nislabeling the s	ample	location,	date or	time	of colle	ection i	s consi	dered	fraud a	nd may	be grou	nds for le	egal act	tion.		
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		•		•		-	ne laboratory is li	-																

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad Da	te Received:	03/15/25 04	:00	Work Order ID: E503123
Phone:	(505) 382-1211 Da	te Logged In:	03/14/25 15	:33	Logged In By: Caitlin Mars
Email:		ie Date:		:00 (2 day TAT)	
<u>Chain o</u>	f Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Project Boundary Raider 7 CTB 2 has been
Sample	<u>Cooler</u>				separated into 2 reports due to sample
7. Was a	a sample cooler received?		Yes		volume. WO are E503122 & E503123.
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample ter	nperature: <u>4°0</u>	<u>c</u>		
<u>Sample</u>	<u>Container</u>				
14. Are	aqueous VOC samples present?		No		
15. Are	VOC samples collected in VOA Vials?		NA		
16. Is th	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	non-VOC samples collected in the correct containers?		Yes		
19 Te the	e appropriate volume/weight or number of sample containers	collected?	Yes		
17. 15 th	abel				
Field La	e field sample labels filled out with the minimum inform	ation:			
Field La 20. Were	-				
Field La 20. Were	Sample ID?		Yes		
Field La 20. Were	Sample ID? Date/Time Collected?		Yes		
Field La 20. Were	Sample ID? Date/Time Collected? Collectors name?				
Field La 20. Were 3 3 3 4 5 5 8 5 8 5 8 8 9 6 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	rved?	Yes		
Field La 20. Were 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Sample ID? Date/Time Collected? Collectors name?	rved?	Yes Yes		
Field La 20. Were 3 3 5 5 5 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese		Yes Yes No		
Field La 20. Were 20. Were 20. Were 20. Were 21. Does 22. Are 24. Is lat	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta		Yes Yes No NA		
Sample           21. Does           22. Are           24. Is lait           Multiph	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>base Sample Matrix</u>		Yes Yes No No		
Sample           21. Does           22. Are =           24. Is lat           Multiph           26. Does	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase?	ls?	Yes Yes No No No		
Sample           21. Does           22. Are           24. Is lat           Multiph           26. Does           27. If ye	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>nase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ls?	Yes Yes No No		
Field La 20. Were 3 3 3 3 3 3 3 3 3 3 4 4 5 3 4 5 5 4 5 5 5 5	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed <u>tract Laboratory</u>	ls?	Yes Yes NA No No NA		
Sample           21. Does           22. Are :           24. Is lat           Multiph           26. Does           27. If ye           Subcont           28. Are :	Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>nase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ls? 1?	Yes Yes No NA No NA No	Subcontract Lab	· NA

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



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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 7 CTB 2

Work Order: E503247

Job Number: 01058-0007

Received: 3/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/4/25

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: 4/4/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Boundary Raider 7 CTB 2 Workorder: E503247 Date Received: 3/31/2025 7:30:00AM

Ashley Giovengo,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2025 7:30:00AM, under the Project Name: Boundary Raider 7 CTB 2.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 CTB 2 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

Field Offices: Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@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

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### **Sample Summary**

		Sampic Sum	illai y		
Devon Energy - Carlsbad		Project Name:	Boundary Raider 7	CTB 2	Reported:
6488 7 Rivers Hwy		Project Number:	01058-0007		Keporteu.
Artesia NM, 88210		Project Manager:	Ashley Giovengo		04/04/25 10:20
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11-1'	E503247-01A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS12-1'	E503247-02A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS15-1'	E503247-03A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS17-1.5'	E503247-04A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS24-1.5'	E503247-05A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS25-1'	E503247-06A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS26-1'	E503247-07A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.
FS27-1'	E503247-08A	Soil	03/28/25	03/31/25	Glass Jar, 2 oz.



	S	Sample D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Nam Project Num Project Man	ber: 0103	ndary Raide 58-0007 ley Gioveng	<b>Reported:</b> 4/4/2025 10:20:40AM			
		FS11-1'					
		E503247-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL			Batch: 2514007
Benzene	ND	0.0250	1	03/3	1/25	03/31/25	
Ethylbenzene	ND	0.0250	1	03/3	1/25	03/31/25	
Toluene	ND	0.0250	1	03/3	1/25	03/31/25	
o-Xylene	ND	0.0250	1	03/3	1/25	03/31/25	
p,m-Xylene	ND	0.0500	1	03/3	1/25	03/31/25	
Total Xylenes	ND	0.0250	1	03/3	1/25	03/31/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/3	1/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	03/3	1/25	03/31/25	
Surrogate: Toluene-d8		106 %	70-130	03/3	1/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL			Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/3	1/25	03/31/25	
Surrogate: Bromofluorobenzene		102 %	70-130	03/3	1/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	03/3	1/25	03/31/25	
Surrogate: Toluene-d8		106 %	70-130	03/3	1/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KH			Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/3	1/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/3	1/25	03/31/25	
Surrogate: n-Nonane		94.3 %	61-141	03/3	1/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK			Batch: 2514008
Chloride	1350	20.0	1	03/3	1/25	03/31/25	



### Sample Data

	Sa	imple D	ata				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manage	r: 0103	ndary Raio 58-0007 ley Giover	<b>Reported:</b> 4/4/2025 10:20:40AM			
		FS12-1'					
	]	E503247-02					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: SL		: SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250		1	03/31/25	03/31/25	
Toluene	ND	0.0250		1	03/31/25	03/31/25	
p-Xylene	ND	0.0250		1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500		1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	03/31/25	
Surrogate: n-Nonane		101 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	AK		Batch: 2514008
Chloride	2300	40.0		2	03/31/25	03/31/25	



### Sample Data

	D.a	imple D	uu				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Number Project Manage	r: 010:	ndary Raid 58-0007 ley Gioven	<b>Reported:</b> 4/4/2025 10:20:40AM			
		FS15-1'					
	I	E503247-03					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250		1	03/31/25	03/31/25	
Toluene	ND	0.0250		1	03/31/25	03/31/25	
p-Xylene	ND	0.0250		1	03/31/25	03/31/25	
o,m-Xylene	ND	0.0500		1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	03/31/25	
Surrogate: n-Nonane		101 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2514008
Chloride	663	20.0		1	03/31/25	03/31/25	



### Sample Data

		ample D					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 0103	ndary Raide 58-0007 ley Gioveng		32		<b>Reported:</b> 4/4/2025 10:20:40AM
		FS17-1.5'					
		E503247-04					
		Reporting			<b>D</b>		
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2514007
Benzene	ND	0.0250	1	l	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250	1	l	03/31/25	03/31/25	
Toluene	ND	0.0250	1	l	03/31/25	03/31/25	
p-Xylene	ND	0.0250	1	l	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500	1	l	03/31/25	03/31/25	
Total Xylenes	ND	0.0250	1	l	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		104 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0	1	l	03/31/25	03/31/25	
Surrogate: n-Nonane		94.1 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2514008
Chloride	1450	20.0	1		03/31/25	03/31/25	


#### Sample Data

	0						
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numb Project Mana	ber: 010	ndary Rai 58-0007 ley Giover		°B 2		<b>Reported:</b> 4/4/2025 10:20:40AM
		FS24-1.5'					
		E503247-05					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250		1	03/31/25	03/31/25	
Toluene	ND	0.0250		1	03/31/25	03/31/25	
p-Xylene	ND	0.0250		1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500		1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		105 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		104 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KH		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	03/31/25	
Surrogate: n-Nonane		99.2 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: AK		Batch: 2514008
Chloride	1010	20.0		1	03/31/25	03/31/25	



#### Sample Data

	56						
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 0103	ndary Raio 58-0007 ley Giover		B 2		<b>Reported:</b> 4/4/2025 10:20:40AM
		FS25-1'					
	-	E503247-06					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	03/31/25	
Ethylbenzene	ND	0.0250		1	03/31/25	03/31/25	
Toluene	ND	0.0250		1	03/31/25	03/31/25	
o-Xylene	ND	0.0250		1	03/31/25	03/31/25	
p,m-Xylene	ND	0.0500		1	03/31/25	03/31/25	
Total Xylenes	ND	0.0250		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		105 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	03/31/25	
Surrogate: Bromofluorobenzene		101 %	70-130		03/31/25	03/31/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/31/25	03/31/25	
Surrogate: Toluene-d8		105 %	70-130		03/31/25	03/31/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	КН		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	03/31/25	
Surrogate: n-Nonane		101 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	AK		Batch: 2514008
Chloride	1750	20.0		1	03/31/25	03/31/25	



#### Sample Data

	3						
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name Project Numł Project Mana	ber: 010	ndary Raio 58-0007 ley Giover		B 2		<b>Reported:</b> 4/4/2025 10:20:40AM
		FS26-1'					
		E503247-07					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250		1	03/31/25	04/01/25	
Toluene	ND	0.0250		1	03/31/25	04/01/25	
p-Xylene	ND	0.0250		1	03/31/25	04/01/25	
o,m-Xylene	ND	0.0500		1	03/31/25	04/01/25	
Fotal Xylenes	ND	0.0250		1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		102 %	70-130		03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KH		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	03/31/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	03/31/25	
Surrogate: n-Nonane		97.9 %	61-141		03/31/25	03/31/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	AK		Batch: 2514008
Chloride	588	20.0		1	03/31/25	03/31/25	



#### Sample Data

	5						
Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Numb		ndary Rai 58-0007	der 7 CT	B 2		Reported:
Artesia NM, 88210	Project Manag		ley Giovei	ngo			4/4/2025 10:20:40AM
		FS27-1'					
		E503247-08					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	SL		Batch: 2514007
Benzene	ND	0.0250		1	03/31/25	04/01/25	
Ethylbenzene	ND	0.0250		1	03/31/25	04/01/25	
Toluene	ND	0.0250		1	03/31/25	04/01/25	
o-Xylene	ND	0.0250		1	03/31/25	04/01/25	
p,m-Xylene	ND	0.0500		1	03/31/25	04/01/25	
Total Xylenes	ND	0.0250		1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		103 %	70-130		03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	SL		Batch: 2514007
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/31/25	04/01/25	
Surrogate: Bromofluorobenzene		103 %	70-130		03/31/25	04/01/25	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/31/25	04/01/25	
Surrogate: Toluene-d8		106 %	70-130		03/31/25	04/01/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	KH		Batch: 2514005
Diesel Range Organics (C10-C28)	ND	25.0		1	03/31/25	04/01/25	
Oil Range Organics (C28-C36)	ND	50.0		1	03/31/25	04/01/25	
Surrogate: n-Nonane		94.2 %	61-141		03/31/25	04/01/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	AK		Batch: 2514008
Chloride	1200	20.0		1	03/31/25	03/31/25	



# **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	oundary Raide 058-0007 shley Gioveng				4	<b>Reported:</b> /4/2025 10:20:40AM		
,		Volatile Organic				2					
		volatile Ofganie		Analyst: SL							
Analyte		Reporting	Spike	Source	D	Rec	סחת	RPD			
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2514007-BLK1)							Prepared: 0	3/31/25 Ana	alyzed: 03/31/25		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130					
Surrogate: Toluene-d8	0.529		0.500		106	70-130					
LCS (2514007-BS1)							Prepared: 0	3/31/25 Ana	alyzed: 03/31/25		
. ,	2.24	0.0250	2.50		89.5	70-130					
Benzene	2.24	0.0250	2.50		92.8	70-130					
Ethylbenzene	2.32	0.0250			92.8	70-130					
Toluene		0.0250	2.50		97.1	70-130					
p-Xylene	2.46	0.0250	2.50								
p,m-Xylene	5.10	0.0500	5.00		102	70-130					
Total Xylenes	7.56	0.0250	7.50		101	70-130					
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.529		0.500		106	70-130					
Surrogate: Toluene-d8	0.530		0.500		106	70-130					
Matrix Spike (2514007-MS1)				Source:	E503247-(	05	Prepared: 0	3/31/25 Ana	alyzed: 03/31/25		
Benzene	2.29	0.0250	2.50	ND	91.5	48-131					
Ethylbenzene	2.37	0.0250	2.50	ND	94.7	45-135					
Toluene	2.46	0.0250	2.50	ND	98.3	48-130					
p-Xylene	2.50	0.0250	2.50	ND	99.9	43-135					
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135					
Total Xylenes	7.69	0.0250	7.50	ND	103	43-135					
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130					
Surrogate: Toluene-d8	0.525		0.500		105	70-130					
Matrix Spike Dup (2514007-MSD1)				Source:	E503247-0	05	Prepared: 0	3/31/25 Ana	alyzed: 03/31/25		
Benzene	2.14	0.0250	2.50	ND	85.7	48-131	6.53	23			
Ethylbenzene	2.24	0.0250	2.50	ND	89.7	45-135	5.40	27			
Toluene	2.33	0.0250	2.50	ND	93.0	48-130	5.58	24			
p-Xylene	2.37	0.0250	2.50	ND	94.7	43-135	5.39	27			
p,m-Xylene	4.94	0.0500	5.00	ND	98.9	43-135	4.93	27			
p,iii-Ayiene	7.31	0.0250	7.50	ND	97.5	43-135	5.08	27			
Total Xylenes	/.51	010200									
	0.518	0.0250	0.500		104	70-130					
Total Xylenes		0.0220			104 101	70-130 70-130					



# **QC Summary Data**

				ary Date					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	(	Boundary Raide 01058-0007 Ashley Gioveng					<b>Reported:</b> 4/4/2025 10:20:40AM
	No	onhalogenated O	rganics	s by EPA 80	15D - GI	RO			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 (2514007-BLK1)							Prepared: 0	3/31/25	Analyzed: 03/31/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2514007-BS2)							Prepared: 0	3/31/25	Analyzed: 03/31/25
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.3	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			
Matrix Spike (2514007-MS2)				Source:	E503247-0	05	Prepared: 0	3/31/25	Analyzed: 03/31/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.6	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
Matrix Spike Dup (2514007-MSD2)				Source:	E503247-(	05	Prepared: 0	3/31/25	Analyzed: 03/31/25
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	1.19	20	
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



# **QC Summary Data**

		QU D	u 111111	ary Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	(	Boundary Raide 01058-0007		2			Reported:
Artesia NM, 88210		Project Manager:		Ashley Gioveng	<u>;</u> 0				4/4/2025 10:20:40AM
	Nonha	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514005-BLK1)							Prepared: 0	3/31/25 A	analyzed: 03/31/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.7	61-141			
LCS (2514005-BS1)							Prepared: 0	3/31/25 A	analyzed: 03/31/25
Diesel Range Organics (C10-C28)	231	25.0	250		92.4	66-144			
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			
Matrix Spike (2514005-MS1)				Source:	E503247-	07	Prepared: 0	3/31/25 A	analyzed: 03/31/25
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	56-156			
Surrogate: n-Nonane	49.8		50.0		99.6	61-141			
Matrix Spike Dup (2514005-MSD1)				Source:	E503247-	07	Prepared: 0	3/31/25 A	analyzed: 03/31/25
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	56-156	5.04	20	
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			



# **QC Summary Data**

		L L		•					
Devon Energy - Carlsbad		Project Name:		Boundary Raid	er 7 CTB 2				Reported:
6488 7 Rivers Hwy		Project Number:	:	01058-0007					•
Artesia NM, 88210		Project Manager	r:	Ashley Gioveng	go				4/4/2025 10:20:40AM
		Anions	by EPA	300.0/9056	A				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2514008-BLK1)							Prepared: 0	3/31/25 A	Analyzed: 03/31/25
Chloride	ND	20.0							
LCS (2514008-BS1)							Prepared: 0	3/31/25 A	Analyzed: 03/31/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2514008-MS1)				Source:	E503247-0	4	Prepared: 0	3/31/25 A	Analyzed: 03/31/25
Chloride	1650	20.0	250	1450	81.4	80-120			
Matrix Spike Dup (2514008-MSD1)				Source:	E503247-0	4	Prepared: 0	3/31/25 A	Analyzed: 03/31/25
Chloride	1640	20.0	250	1450	78.2	80-120	0.491	20	M4

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.



Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/04/25 10:20

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





WV	W	0#	2	145	770:
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**Chain of Custody** 

	Clie	nt Inform	nation			-	Invoice	Informa	ation		hoo		La		e On	31.2				TA	82		State					
lient: D						mpany:					Lab	WO	24	L	Job	Num	ber	-	1D		3D 5	Std	NM	COU	T T	X		
roject:	Boundary Ra	ider 7 CT	B 2		Ad	dress: 53	315 Bue	ena Vista	a Dr		E	03	24	1	00	28.	000			X			х					
roject N	lanager: Ash	nley Giove	engo			y, State, Z			IM, 8822	20		_		3	1			RANG				Sec.	E State		2.01			
ddress:	3122 Nation	nal Parks	Hwy		Pho	ne: (575	5)689-75	597			1141				Ana	lysis	and	Met	hod					A Prog				
City, Stat	e, Zip: Carlst	bad NM,	88220	9	Em	ail: jim.ra	aley@c	dvn.com														SD	WA	CWA	F	RCRA		
	75-988-0055				Misc	ellaneous	s: Jim R	Raley																				
mail: a	giovengo@er	nsolum.co	om						_	_	-	015	8015										nplianc	e '	1 0	r N		
					CALIFICATION OF	221752290		and the			1. Con 16 20	by 8015	oy 8(	21	00	0.00	Σ	¥	tals			PW	SID #					
				Sample Info	ormatio	n						RO	ORO	y 80	y 82	de 3(	Z - C	005 -	8 Me									
Time Sampled	Date Sampled	Matrix	No. of Containers		1	Sample ID	)			Field	Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remar	KS			
8:42	3/28/2025	S	1			FS11 - 1'					1						х						F	tush Chloride	only			
8:41	3/28/2025	S	1			FS12 - 1'					2						х						F	lush Chloride	only			
8:44	3/28/2025	S	1			FS15 - 1'					3						x							Rush Chloride	only			
8:47	3/28/2025	S	1		F	FS17 - 1.5	5'				4						x						0	Rush Chloride	e only			
8:48	3/28/2025	S	1		F	FS24 - 1.5	5'				5						x						0	Rush Chlorid	e only			
8:50	3/28/2025	S	1			FS25 - 1'	E				6						x						6	Rush Chlorid	e only			
8:51	3/28/2025	S	1			FS26 - 1'	0				7						x						6	Rush Chlorid	e only	3		
8:53	3/28/2025	S	1			FS27 - 1'	r.				8						x						0	Rush Chlorid	e only	LB		
	_	_																										
<b>simmo</b> ı (field samı ımpled by:	s@ensolum	.com.br	noir@enso	f this sample. I am a	ware that I	tampering wi	vith or inte	entionally m	nislabeling t	he sam	nple location	, date o	or time				siderec	l fraud	and ma	ay be g	grounds			on ice the c	day they	are		
U	S M	1ph		28/25 10:	22	Received b	ielle !	Gonz	fales	3 - Date	28.25	Time	010	2			sampl subse	ed or re quest d	ceived p	acked		an avg temp b Use O		but less tha	an 6 °C c	on		
Mic	d by: (Signature helle G d by: (Signature	onzale	vs 3-2 Date	5-25 102 Time	22	Marle Beceived b	AAB S	Son	gales	3- Date	28-2	Time	)22	2			Rec	eivec	l on id	:e:	Ø		i ii y					
Mari	nac dan	nzales	0.00	8-25 210	20 9	Received b	ard (	Tom	ala_	2	28-25	2	100				<u>T1</u>				<u>T2</u>		-	<u>T3</u>				
liha	d by: Signature	sales	3-24		00	A T			10-	3.	3J.25	7 e: g -	30 glass,		oly/p	lastic			np °C	S, V -	1 VOAT					22		
				are reported unless	s other ar	rangement	ts are ma	de. Hazard	dous samp													for the an	alysis (	of the ab	ove sa	mples		
				aboratory with this															24		10							

Received by OCD: 4/14/2025 2:15:40 PM

Page \_\_\_\_\_ of \_\_

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Devon Energy - Carlsbad D.	ate Received:	03/31/25 0	07:30	Work Order ID: E503247
Phone:	(505) 382-1211 D	ate Logged In:	03/28/25 1	6:41	Logged In By: Noe Soto
Email:		ue Date:	04/04/25 1	7:00 (4 day TAT)	
Chain c	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<u>Comments/Resolution</u>
Sample	Turn Around Time (TAT)			1	
-	he COC indicate standard TAT, or Expedited TAT?		Yes		Client remark to rush chloride only.
Sample	· •				-
	a sample cooler received?		Yes		
	s, was cooler received in good condition?		Yes		
9. Was t	the sample(s) received intact, i.e., not broken?		Yes		
	e custody/security seals present?		No		
	es, were custody/security seals intact?		NA		
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes		
	minutes of sampling				
13. If no	o visible ice, record the temperature. Actual sample ter	nperature: <u>4°</u>	<u>'C</u>		
<u>Sample</u>	Container				
14. Are	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	he head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
	e appropriate volume/weight or number of sample containers	s collected?	Yes		
Field La					
	e field sample labels filled out with the minimum inform	ation:	V		
	Sample ID? Date/Time Collected?		Yes	l	
	Collectors name?		Yes Yes		
	Preservation		100		
	s the COC or field labels indicate the samples were press	erved?	No		
	sample(s) correctly preserved?		NA		
22. Are	b filtration required and/or requested for dissolved metal	s?	No		
24. Is la	hase Sample Matrix				
24. Is la <u>Multipl</u>	hase Sample Matrix_ s the sample have more than one phase, i.e., multiphase?		No		
24. Is la <u>Multipl</u> 26. Doe			No NA		
24. Is la <u>Multipl</u> 26. Doe 27. If ye	s the sample have more than one phase, i.e., multiphase?				
<ul><li>24. Is la</li><li>Multipl</li><li>26. Doe</li><li>27. If ye</li><li>Subcon</li></ul>	s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	d?			

Date



envirotech Inc.

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

•



# APPENDIX E

# NMOCD Correspondence

Released to Imaging: 6/20/2025 11:07:19 AM

From:	Velez, Nelson, EMNRD
To:	Ashley Giovengo
Cc:	Raley, Jim; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Chad Hamilton; Cole Burton; Bilkis Moir
Subject:	Re: [EXTERNAL] Extension Request - Devon Energy - Boundary Raider 7 CTB 2- Incident Number nAPP2433853476
Date:	Monday, March 3, 2025 10:54:47 AM
Attachments:	image001.png image002.png image003.png Outlook-w1f1vtv1.png

#### [ \*\*EXTERNAL EMAIL\*\*]

Good morning Ashley,

Thank you for the correspondence. Your 90-day time extension request is approved. Remediation Due date has been updated to June 2, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd\_



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, March 3, 2025 8:09 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Devon Energy - Boundary Raider 7 CTB 2- Incident Number nAPP2433853476

From: Ashley Giovengo <agiovengo@ensolum.com> Sent: Sunday, March 2, 2025 4:39 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Raley, Jim <jim.raley@dvn.com>
 Cc: Chad Hamilton <chamilton@ensolum.com>; Cole Burton <cburton@ensolum.com>; Bilkis Moir <bmoir@ensolum.com>

**Subject:** [EXTERNAL] Extension Request - Devon Energy - Boundary Raider 7 CTB 2- Incident Number nAPP2433853476

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

All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of March 03, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Boundary Raider 7 CTB 2 (Site) (Incident Number nAPP2433853476). The release occurred on December 03, 2024, and 8 barrels of produced water were released onto the caliche pad; 6 bbls of produced water were recovered. The Site is located on Federal Land managed by the Bureau of Land Management. Lateral and vertical delineation sampling in accordance with the strictest Closure Criteria has been completed at the Site. Excavation of the subject matter release began on February 26, 2025, and was completed on February 28,2025. Devon intends to submit a remediation work plan or closure report, upon reviewing laboratory analytical results from confirmation soil sampling activities. Devon respectfully requests a 90-day extension until June 02, 2025.

Kind Regards,



Ashley Giovengo

Senior Scientist 575-988-0055 Ensolum, LLC in f X

"Your authenticity is your superpower." – Unknown

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

Page1231eof 244

QUESTIONS

Action 412055

QUESTIONS		
Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	412055	
	Action Type:	
	[NOTIFY] Notification Of Liner Inspection (C-141L)	

#### QUESTIONS

Location of Release Source

Prerequisites	
Incident ID (n#)	nAPP2433853476
Incident Name	NAPP2433853476 BOUNDARY RAIDER 7 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123645710] BOUNDARY RAIDER 7 CTB 2

Site Name	BOUNDARY RAIDER 7 CTB 2
Date Release Discovered	12/03/2024
Surface Owner	Federal

# Liner Inspection Event Information Please answer all the questions in this group. What is the liner inspection surface area in square feet 7,248 Have all the impacted materials been removed from the liner Yes Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC 12/18/2024 Time liner inspection will commence 09:00 AM Please provide any information necessary for observers to liner inspection 32.314470, -103.709129 Please provide any information necessary for navigation to liner inspection site N/A

General Information Phone: (505) 629-6116

CONDITIONS

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	412055
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	12/16/2024

CONDITIONS

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Page1232eof 244

Action 412055

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

Page1233eof 244 QUESTIONS

Action 441225

QUESTIONS
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Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	441225
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2433853476
Incident Name	NAPP2433853476 BOUNDARY RAIDER 7 CTB 2 @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123645710] BOUNDARY RAIDER 7 CTB 2

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 CTB 2
Date Release Discovered	12/03/2024
Surface Owner	Federal

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	5,369	
What is the estimated number of samples that will be gathered	31	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton @ 575-706-5056	
Please provide any information necessary for navigation to sampling site	32.31447,-103.709129	

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	441225
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS			
Created 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.	3/11/2025	

Action 441225

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

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QUESTIONS

Action 445937

QUESTIONS				
Operator:	OGRID:			
DEVON ENERGY PRODUCTION COMPANY, LP	6137			
333 West Sheridan Ave.	Action Number:			
Oklahoma City, OK 73102	445937			
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)			

#### QUESTIONS

Location of Release Source

Prerequisites				
Incident ID (n#)	nAPP2433853476			
Incident Name	NAPP2433853476 BOUNDARY RAIDER 7 CTB 2 @ 0			
Incident Type	Produced Water Release			
Incident Status	Initial C-141 Approved			
Incident Facility	[fAPP2123645710] BOUNDARY RAIDER 7 CTB 2			

Site Name	BOUNDARY RAIDER 7 CTB 2		
Date Release Discovered	12/03/2024		
Surface Owner	Federal		

# Sampling Event General Information Please answer all the questions in this group. What is the sampling surface area in square feet 1,600 What is the estimated number of samples that will be gathered 8 Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC 03/28/2025 Time sampling will commence 09:00 AM Please provide any information necessary for observers to contact samplers Please contact Cole Burton @ 575-706-5056 Please provide any information necessary for navigation to sampling site 32.31447, -103.709129

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CONDITIONS

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

CONDITIONS

Op	erator:	OGRID:
	DEVON ENERGY PRODUCTION COMPANY, LP	6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	445937
		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)

Created 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.	3/26/2025

CONDITIONS

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Action 445937

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

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QUESTIONS

Action 451733

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2433853476			
Incident Name	NAPP2433853476 BOUNDARY RAIDER 7 CTB 2 @ 0			
Incident Type	Produced Water Release			
Incident Status	Remediation Closure Report Received			
Incident Facility	[fAPP2123645710] BOUNDARY RAIDER 7 CTB 2			

#### Location of Release Source

	Please answer	all the	questions	in	this	group.	
--	---------------	---------	-----------	----	------	--------	--

Site Name	BOUNDARY RAIDER 7 CTB 2		
Date Release Discovered	12/03/2024		
Surface Owner	Federal		

#### Incident Details

Please answer all the questions in this group.			
Incident Type	Produced Water Release		
Did this release result in a fire or is the result of a fire	No		
Did this release result in any injuries	No		
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο		
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 8 BBL   Recovered: 2 BBL   Lost: 6 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)	Discharge line from water transfer pump failed. Allowing approx 8 bbls to impact pad surface and inside of lined secondary containment.

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

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QUESTIONS, Page 2

Action 451733

QUESTIONS	(continued)	1
QUESTIONS	conunueu	1

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.	e. gas only) are to be submitted on the C-129 form.

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a s	afety 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	Тгие	
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	
	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of	
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of		
Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 04/14/2025	

General Information Phone: (505) 629-6116

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

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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 an	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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

e appropriate district office no later than 90 days after the release discovery date.
Yes
ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Yes
No
rams per kilograms.)
26300
0
0
0
0
fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
02/26/2025
03/28/2025
03/26/2025
800
26
5369
340
me 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.

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QUESTIONS, Page 3

Action 451733

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

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QUESTIONS, Page 4

Action 451733

QUESTIONS (continued)	
Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the	
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.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and 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.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required 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: iim ralev@dvn.com

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.

Email: jim.raley@dvn.com Date: 04/14/2025

Released to Imaging: 6/20/2025 11:07:19 AM

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

QUESTIONS	(continued)
QUESTIONS	(conunueu)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
	[C-141] Remediation Closure Request C-141 (C-141-V-Closure)

QUESTION	s

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	Νο

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QUESTIONS, Page 5

Action 451733

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

QUESTIONS, Page 6

Action 451733

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**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	445937
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	1600

Remediation Closure Request

emediation steps have been completed.
Yes
Yes
No
Yes
5369
340
Yes
800
26
Soils remediated.
losure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
knowledge and understand that pursuant to OCD rules and regulations all operators are required ses 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 ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.

	Name: James Raley
I hereby agree and sign off to the above statement	Title: EHS Professional
Thereby agree and sign on to the above statement	Email: jim.raley@dvn.com
	Date: 04/14/2025

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Reclamation Report

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

QUESTIONS, Page 7

Action 451733

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

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Action 451733

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	451733
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure is approved.	6/20/2025
michael.buchanan	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/20/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/20/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/20/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/20/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	6/20/2025